

7914  
G2P11

ENGINEERING  
LIBRARY

Catalogue of the library of the Pacific  
Coast Gas Association

Pacific coast gas association. Library

A

000249942

4



UC SOUTHERN REGIONAL LIBRARY FACILITY



THE LIBRARY  
OF  
THE UNIVERSITY  
OF CALIFORNIA  
LOS ANGELES

LITHOMOUNT  
PAMPHLET BINDER  
Manufactured by  
GAYLORD BROS. Inc.  
Syracuse, N. Y.  
Stockton, Calif.

Forest U. Taylor

# CATALOGUE

OF THE

PACIFIC COAST  
GAS ASSOCIATION

LIBRARY

*Located  
at  
812 Howard St.  
S. F.*



Rules and Regulations  
of the  
Pacific Coast Gas Association  
Library

---



OUR Association believed that its library had grown to such an extent, both in books and demand, that a catalogue larger than ever before was necessary; and

It is hoped that this new one with its two complete indices, the one classified under topics and the other under authors, will readily facilitate the finding of a particular book by quick inspection.

This library is devoted to publications in general on the gas industry and its co-related branches. So that the gas manufacturers, gas workers, the user of gas with all its appliances, and the student of the gas business can find what they want to know.

It is desired to dispense with the usual cumbersome rules of libraries in general. Instead it is the intention and desire to co-operate with each member so that any book may be retained a reasonable time. Also that good care be exercised in the handling of books and that non-resident members simply pay the return postage to the library.

Hours of library: 8:30 A. M. to 5:00 P. M. daily, except Sundays and holidays.

E. C. JONES,

Librarian.

JOSEPH P. BALOUN,

Assistant Librarian.

CATALOGUE

OF THE

PACIFIC COAST  
GAS ASSOCIATION

LIBRARY



445 SUTTER ST., SAN FRANCISCO

1916





# PACIFIC COAST GAS ASSOCIATION LIBRARY

## TITLES

### A

- Accum's (Frederick) Description of the Process of Manufacturing Coal Gas.
- Accum's Practical Treatise on Gas Light. 1818.
- Accum's Practical Treatise on Gas Light. 1815.
- Acetylene, Its Generation and Use.....Leeds and Butterfield
- Acoustics of Auditoriums.....F. R. Watson
- Adaptation of Gas Power for Central Station Service....N. Latta
- Aerial Navigation, The Latest Developments in.....
- .....Prof. T. S. C. Lowe
- Aero Engines, with a General Introductory Account of the Theory of the Internal Combustion Engine.....G. A. Burls
- Agricultural Experimental Station of the University of California. Report on Work of, 1894-1895.
- Aid Book to Engineering Enterprise Abroad.....E. Matheson
- Air Compressors and Blowing Engines.....Chas. H. Innes, M. A.
- Air (Compressed) Plant for Mines.....Robert Peele
- Air as Fuel.....Owen C. D. Ross
- Air-Gas, Petrol.....Henry O'Connor
- Air (Liquid) and the Liquefaction of Gases...T. O'Connor Sloane
- Alaskan Coal Problems.....Walter L. Fisher
- Alcohol (Denatured) in Internal Combustion Engines. Comparative Fuel Values of Gasoline and.....
- .....R. M. Strong and L. Stone
- Alcohol Tests on Internal Combustion Engines. Commercial Deductions from Comparisons of Gasoline and..R. M. Strong
- Allen's Digest of U. S. Patents of Air, Coloric, Gas and Oil Engines and Other Internal Combustion Engines.
- Vol. I. Plates. A. D. 1789-1905.
- Vol. II. Plates. A. D. 1789-1905.
- Vol. III. Claims. A. D. 1789-1905.
- Vol. IV. Claims. A. D. 1789-1905.
- Vol. V. Index.
- Allegations of the Standard Oil Company, Dec. 30, 1907. Statement of the Commissioner of Corporations in Answer to the.
- Alloys—The Analysis of Non-ferrous.....F. Ibbotson
- Alloys, Brasses and Bronzes. Materials of Engineering. Part III.....Robert H. Thurston
- Alloys (Commercial Copper)—Approximate Melting Points of Some.....H. W. Gillett and A. B. Norton
- Alloys, Magnetic Properties of Heusler....Edward B. Stephenson
- Alternating Currents and Alternating Current Machinery....
- .....D. C. and J. P. Jackson
- Alternating Current Wiring and Distribution.....
- .....William LeRoy Emmet

- American Civil Engineers' Pocket Book.....Mansfield-Merriman  
American Electrician's Handbook.....Terrill Croft  
American Foundry Practice.....Thos. D. West  
American Meter Company Gas Engineer's and Superintendent's  
Pocket Almanac for 1873.  
American Meter Company Gas Engineer's and Superintendent's  
Pocket Almanac for 1874.  
American Meter Company Gas Engineer's and Superintendent's  
Pocket Almanac for 1879.  
American Meter Company Gas Engineer's and Superintendent's  
Pocket Almanac for 1881.  
American Practice of Gas Lighting.....Wm. Paul Gerhard  
American Producer Gas Practice.....Nisbet Latta  
American Society Mechanical Engineers, Proceedings of—The  
Journal—  
October, 1910.  
June, 1912.  
April, 1913.  
American Steam Gauge and Valve Mfg. Co., catalogue 1908.  
Ammonia and Ammonia Compounds.....Dr. R. Arnold  
Ammonia and Its Compounds.....J. Grossman  
Ammonia and Its Compounds.....Camille Vincent  
Ammonia, Coal Tar and.....George Lunge  
Ammonia in Illuminating Gas, Determination of. Technologic  
Papers of the Bureau of Standards.....J. W. Edwards  
Ammonia and Sulphur in Coal Gas, Quantitative Estimation of  
.....Wm. W. Goodwin  
Ammonia Liquor Concentrators and Ammonia.....  
.....Gas Machinery Company  
Ammonia, Properties of Steam and.....G. A. Goodenough  
Analysis (Chemical) of Iron and Steel, The Sampling and....  
.....O. Bauer and E. Deiss  
Analysis of Coals in the United States.....L. W. Lord  
Analysis for Engineers, Gas and Fuel.....Augustus H. Gill  
Analysis, Fuel, Water and Gas.....John B. C. Kershaw  
Analysis, Gas.....W. H. Birchmore  
Analysis, Gas.....L. M. Dennis  
Analysis (Gas) As an Aid in Fighting Mine Fires.....  
.....Burrell and Seibert  
Analysis, Gas.....Dr. Walther Hempel  
Analysis (Gas) Exercises in.....Dr. Hartwig Franzen  
Analysis, Industrial Organic.....Paul S. Arup  
Analysis of Non-Ferrous Alloys.....F. Ibbotson  
Analysis, Manual of Quantitative Chemical.....  
.....Dr. C. Remigius Fresenius  
Analysis (Metallurgical) Methods in.....Charles H. White  
Analysis of Mixed Paints, Color Pigments and Varnishes....  
.....Clifford Dyer Holley  
Analysis—The Principal Gas Undertakings in England, Scot-  
land and Ireland.....John W. Field  
Analysis, Technical Methods of Chemical.....George Lunge  
Vol. I. Part I. Vol. II. Part I.  
Vol. I. Part II. Vol. II. Part II.  
Vol. III. Part I. and II.  
Analysis (The) Technical Valuation, Purification and Use of  
Coal Gas. London, 1867.....W. R. Bowditch  
Analysis, Technical Gas.....Winkler and Lunge  
Analysis, Technical Gas.....Frank H. Bates  
American Gas Companies Statistics, 1914—Brown's Directory.  
American Gas Engineer and Superintendent's Handbook....  
.....William Mooney



- American Gas Engineering Practice, Handbook of. M. Nisbet Latta  
 American Gas Institute, Report of New Business Methods to  
 the. 1906.
- American Gas Institute Proceedings—  
     Vol. I. 1906.                      Vol. VI. Part II. 1911.  
     Vol. II. 1907.                    Vol. VII. 1912.  
     Vol. III. 1908.                  Vol. VIII. Part I. 1913.  
     Vol. IV. 1909.                  Vol. VIII. Part II. 1913.  
     Vol. V. 1910.                    Vol. IX. Part I. 1914.  
     Vol. VI. Part I. 1911.        Vol. IX. Part II. 1914.
- American Gas Institute—Lectures at Centenary Celebration of the  
 First Commercial Gas Company.
- American Gas Institute—Report of Public Policy Committee. Oct.,  
 1907.
- American Gas Institute—Standard Specifications for Cast Iron Pipe  
 and Special Castings.
- American Gas Institute—  
     Gas Institute News. 1913.  
     Gas Institute News. 1914.  
     Gas Institute News. 1915.
- American Gas Light Association Meetings—  
     Proceedings, Vol. 1.              Proceedings, Vol. 12.  
     Proceedings, Vol. 2.              Proceedings, Vol. 13.  
     Proceedings, Vol. 3.              Proceedings, Vol. 14.  
     Proceedings, Vol. 4.              Proceedings, Vol. 15.  
     Proceedings, Vol. 5.              Proceedings, Vol. 16.  
     Proceedings, Vol. 6.              Proceedings, Vol. 17.  
     Proceedings, Vol. 7.              Proceedings, Vol. 18.  
     Proceedings, Vol. 8.              Proceedings, Vol. 19.  
     Proceedings, Vol. 9.              Proceedings, Vol. 20.  
     Proceedings, Vol. 10.            Proceedings, Vol. 21.  
     Proceedings, Vol. 11.            Proceedings, Vol. 22.
- American Gas Light Association, Index of—  
     Proceedings, Vol. 1.              Proceedings, Vol. 5.  
     Proceedings, Vol. 2.              Proceedings, Vol. 6.  
     Proceedings, Vol. 3.              Proceedings, Vol. 7.  
     Proceedings, Vol. 4.              Proceedings, Vol. 8.
- American Gas Light Association. Report of Committee on Elec-  
 trolysis. 1906.
- American Gas Light Journal—  
     January-December, 1874.              January-Dec., 1895.  
     January-December, 1875.              January-June, 1906.  
     January-December, 1876.              July-December, 1906.  
     January-December, 1877.              January-June, 1907.  
     January-December, 1878.              July-December, 1907.  
     January-December, 1879.              January-June, 1908.  
     January-December, 1880.              July-December, 1908.  
     January-December, 1881.              January-June, 1909.  
     January-December, 1882.              July-December, 1909.  
     January-December, 1883.              January-June, 1910.  
     January-December, 1884.              July-December, 1910.  
     January-December, 1885.              January-June, 1911.  
     January-December, 1886.              July-December, 1911.  
     January-December, 1887.              January-June, 1912.  
     January-December, 1888.              July-December, 1912.  
     January-December, 1889.              January-June, 1913.  
     January-December, 1890.              July-December, 1913.  
     January-December, 1891.              January-June, 1914.  
     January-December, 1892.              July-December, 1914.  
     January-December, 1893.              January-June, 1915.  
     January-December, 1894.              July-December, 1915.

- American Handbook for Electrical Engineers.....Harold Pender  
American Indian Collection—(Catalogue of)...Prof. T. S. C. Lowe  
American Institute of Chemical Engineers, Transactions of the.  
Vol. VI. 1913.  
American Institute of Chemical Engineers, Transactions of the.  
Vol. VII. 1914.  
American Mechanics' Magazine, Franklin Journal—  
July, 1827. December, 1827.  
October, 1827. June, 1831.  
November, 1827.  
Analysis, Technical Gas—Revised Edition, July, 1914.....  
.....George Lunge  
Analysis, Technical Gas and Fuel.....Alfred H. White  
Analysis and Valuation of Oxide of Iron and Lime for Pur-  
poses of Gas Purification.....H. Leicester Greville  
Analysis, Water .....J. Alfred Wanklyn  
Analysis of Mine and Car Samples of Coal Collected in the  
Fiscal Years 1911 to 1913.....Fieldner, Smith, Fay, Sanford  
Analyst's Manual, Gas.....Jacques Abady  
Analyzing Coal and Coke, Methods of.....Stanton and Fieldner  
Annual Engineering—Index. 1913-1915.  
Annual Report (First), Department of the Interior, Bureau of  
Mines .....J. A. Holmes  
Annual (14th) Report of Westfield Gas & Electric Light  
Works, 1913.  
Annual Report of the Inspector of Gas, City of Minneapolis,  
Dec. 31, 1912.  
Annual Report of Gas and Electric Light Commissioners of  
Massachusetts—  
1st, 2nd, 3rd, 4th, 5th, 7th, 9th, 10th, 11th, 12th, 13th,  
14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd,  
24th, 25th, 28th, 29th, 30th.  
Annual Report Lamp Department, 1906, Boston, Dennis J. Hern,  
Supt.  
Annual Report (4th) to-the Secretary of the Interior for year end-  
ing June 30, 1914. Director of Bureau of Mines, J. A. Holmes.  
Annual Report for year ending December 31, 1907, Public Service  
Commission, First District, State of New York, Vol. I.  
Annual Report for year ending December 31, 1907, Public Service  
Commission, First District, State of New York, Statistics of  
Public Service Corporations, Vol. II.  
Annual Report for year ending December 31, 1910, Public Service  
Commission, First District, State of New York, Vol. I.  
Annual Report (First) for year ending 1907, Public Service Com-  
mission, Second District, State of New York, Vol. I.  
Annual Report (First) for year ending 1907, Public Service Com-  
mission, Second District, State of New York, Vol. II.  
Annual Report (Second) for year ending 1908, Public Service Com-  
mission, Second District, State of New York, Vol. I.  
Annual Report (Second) for year ending 1908, Public Service Com-  
mission, Second District, State of New York, (Uniform Sys-  
tem of Accts.), Vol. II.  
Annual Report (Second) for year ending 1908, Public Service Com-  
mission, Second District, State of New York, Vol. III.  
Annual Report (Third) for year ending 1909, Public Service Com-  
mission, Second District, State of New York, Vol. I.  
Annual Report (Third) for year ending 1909, Public Service Com-  
mission, Second District, State of New York, Vol. II.  
Annual Report (Fourth) for year ending 1910, Public Service Com-  
mission, Second District, State of New York, Vol. I.

Annual Report (Fourth) for year ending 1910, Public Service Commission, Second District, State of New York, Vol. II.  
 Annual Report (Fourth) for year ending 1910, Public Service Commission, Second District, State of New York, Vol. III.  
 Annual Report (Fifth) for year ending 1911, Public Service Commission, Second District, State of New York, Vol. I.  
 Annual Report (Fifth) for year ending 1911, Public Service Commission, Second District, State of New York, Vol. II.  
 Annual Report on the Progress of Chemistry. Issued by the Chemical Society—

|                 |                  |
|-----------------|------------------|
| Vol. I. 1904.   | Vol. VII. 1910.  |
| Vol. II. 1905.  | Vol. VIII. 1911. |
| Vol. III. 1906. | Vol. IX. 1912.   |
| Vol. IV. 1907.  | Vol. X. 1913.    |
| Vol. V. 1908.   | Vol. XI. 1914.   |
| Vol. VI. 1909.  |                  |

Apparatus for the Exact Analysis of Flue Gas. Burrell and Seibert  
 Apparatus for Gas-Analysis Laboratories at Coal Mines....  
 .....Burrell and Seibert  
 Apparatus and Methods for Sampling and Analysis of Furnace  
 Gases .....Frazer and Hoffman  
 Apparatus for Rapid Gas Analysis.....Arthur H. Elliott  
 Apparatus, Sugg's Photometers and Gas Testing.  
 Apparatus, Welding, Theory, Practice and Tests....Richard Hart  
 Appliances (Gas) Utilization of—National Commercial Gas Association Course.  
 Appliances, Mechanical Movements, Devices and.....  
 .....Gardner D. Hiscox  
 Appliances, (Modern) in Gas Manufacture. Fletcher W. Stevenson  
 Applied Electrochemistry.....M. de Kay Thompson  
 Applied Electrochemistry and Welding.....  
 .....Chas. F. Burgess and Geo. W. Cravens  
 Applied Mechanics .....John Perry  
 Appraisal of Public Service Properties as a Basis for Regulation of Rates.....C. E. Grunsky  
 Appraisement, Practical Rate Making and?.....William D. Marks  
 Approximate Melting Points of Some Commercial Copper  
 Alloys.....H. W. Gillett and A. B. Norton  
 Arc Lamps (A Talk on).....C. J. Toerring Company  
 Architects' Pocket Book.....F. E. Kidder, Builders  
 Arithmetic of the Steam Boiler.....Charles J. Mason  
 Art (The) of Illumination.....Louis Bell  
 Artificial Light (Daylight and).....E. L. Nichols  
 Ash, Unit Coal and the Composition of Coal..Parr and Wheeler  
 Assets, Depreciation and Wasting.....P. D. Leake  
 Atlas of Chemistry.....Edward L. Youmans  
 Atmospheric Nitrogen, Utilization of.....Thomas H. Norton  
 Audel's Gas Engine Manual—A Practical Treatise with Illustrations and Diagrams.  
 Autogenous Welding, A Practical Manual of.....  
 .....R. Granjon and P. Rosenberg  
 Auxiliary Water Supply System for Fire Protection of San Francisco.....Marsden Manson

## B

Baldwin on Heating.....Wm. J. Baldwin  
 Beams, Floors and Roofs, Strength of.....Frank E. Kidder

- Beams, (Reinforced Concrete) Test of Three Large.....Arthur N. Talbot
- Beams, (Reinforced Concrete) Tests of, Resistance to Web  
Stresses, Series 1907-1908.....Arthur N. Talbot
- Beams, (Timber) Tests of.....Arthur N. Talbot
- Behavior of Nitro-Glycerine When Heated....Snelling and Storm
- Benches, A Bulletin on the Care and Operation of Recupera-  
tive.....W. A. Baehr
- Benzine in Illuminating Gas, The Determination of.....  
.....L. M. Dennis and Ellen S. McCarthy
- Bids for Bonds. Sept. 8, 1908. Board of Supervisors, San Fran-  
cisco.
- Binders for Coal Briquettes.....James E. Mills
- Birmingham Corporation Gas Undertakings.....C. Hunt
- Blast Furnace Gases, the Cleaning of.....Frederick H. Wagner
- Blasting, Rock Excavating and.....J. J. Cosgrove
- Blaugas, Theory of.....Blaugas Company of America
- Blue Book, California. 1907.
- Blue Book, California. 1909.
- Board of Health—Special Bulletin No. 7—Administrative Machin-  
ery.
- Board of Health, California (State) Bulletin—Plague Flea of  
California.
- Board of Public Works, San Francisco—Specifications for Repav-  
ing Over Trenches Opened by Public Service Corporations.
- Board of Supervisors, Journal—Proceedings, June, 1914.
- Board of Supervisors—Bids for Bonds, City and County of San  
Francisco. Sept. 8, 1908.
- Boiler Furnaces, The Smokeless Combustion of Coal in, with a  
Chapter on Central Heating Plants.....Randall and Weeks
- Boiler Makers ("Laying out" for) and Sheet Metal Workers  
.....By The Boiler Maker
- Boiler (Steam) Arithmetic of the.....Charles J. Mason
- Boilers (Steam) Oil Fuel for.....Rufus T. Strohman
- Boiler, Tests of Two Types of Tile-Roof Furnaces Under a  
Water-Tube.....J. M. Snodgrass
- Boiler Trials, Engine, Indicator and Prony Brake..R. H. Thurston
- Boiler Waters.....William Wallace Cristie
- Boilers, Fuel Tests with House Heating.....J. M. Snodgrass
- Boilers, A Manual of Steam, the Design, Construction and  
Operation.....Robt. Thurston
- Boilers, Tests of Coal and Briquettes as Fuel for Hour-  
Heating.....D. T. Randall
- Boilers, The Transmission of Heat into Steam.Kreisinger and Ray
- Boilers, Water Tube.....E. Keller Company
- Bond (Tests of) Between Concrete and Steel....Duff A. Abrams
- Book of Standards. 1913.....National Tube Company
- Boring, Turning and.....Franklin D. Jones
- Boston Gas Light Co. (Petition of) with regard to Carbonic  
Oxide in Illuminating Gas. Hearings on Report of State  
Board of Health, Lunacy and Charity.
- Brasses, Bronzes and Other Alloys, A Treatise on. Part III.—  
Materials of Engineering.....R. H. Thurston
- Brickmaking, Modern.....Alfred B. Searle
- Briquettes, Binders for Coal.....James E. Mills
- Briquettes, Tests of Coal and, as Fuel for House-Heating  
Boilers.....D. T. Randall
- Briquettes and Patent Fuel.....Philip R. Bjorling
- Briquetted Coal in a Locomotive Boiler—Tests of Run-of-  
Mine.....Ray and Kreisinger

- Briquetted Coal on Locomotives—Comparative Tests of Run-of-Mine.....W. F. M. Goss
- Briquetting Tests of Lignite with a Chapter on Sulphite-Pitch Binder .....Charles L. Wright
- Briquetting Tests at the United States Fuel-Testing Plant, Norfolk, Virginia. 1907-8.....Charles L. Wright
- British Progress in Gas Works, Plant and Machinery.....C. E. Brackenbury
- Bronzes, Brasses and Other Alloys, A Treatise on. Part III. Materials of Engineering.....Robert H. Thurston
- Brookline Gas Light Company. Why Streets Should Be Lighted with Gas. March, 1881.
- Brown's Directories of American Gas Companies—  
 1906. 1910. 1914.  
 1907. 1911.  
 1908. 1912.  
 1909. 1913.
- Brown's Directory American Gas Companies Statistics. 1914.
- Brown's Directory of Gas Companies. 1915.
- Building Construction and Superintendence. Part III.—Trussed Roofs and Roof Trusses.....F. E. Kidder
- Building Estimator, The New.....William Arthur
- Buildings (Federal) Under Control of the Treasury Department Mechanical Equipment of.....Nelson S. Thompson
- Buildings (Finished), Wiring of.....Terrell Croft
- Buildings (Mill), Treatise on Design and Construction.....Henry Grattan Tyrrell
- Bulletin (A) on the Care and Operation of Recuperative Benches.....W. A. Baehr
- Bulletin of the Bureau of Labor. March, 1911.
- Bulletin State Board of Health—Plague Flea of California.
- Bulletins Coal and Water Gas Works.....Gas Machinery Co.
- Bulletin U. S. Geological Survey, Earthquakes in California. 1890-1899.
- Bureau Gas Annual Report, Philadelphia. 1888.
- Business Depression, The Cause of.....Hugo Bilgram and Louis Edward Levy
- Business, Economics of.....Norris A. Brisco

## C

- Cables, High Tension Underground Electric.....Henry Floy
- Cahill (The) World Map.....B. J. S. Cahill
- Calculations, Metallurgical (Part I).....Joseph W. Richards
- Calculations, Transmission.....L. W. Rosenthal
- Calculus for Engineers.....John Perry
- California Blue Book. 1907.
- California Blue Book. 1909.
- California Libraries, News Notes, Jan.-Oct., 1913, Jan. 1914.
- California State Board of Health—  
 Vol. 6, No. 8, Feb. 1911—Flea Plague of California.  
 Vol. 10, No. 5, Nov. 1914.  
 Vol. 9, No. 7, Jan. 1914.  
 Vol. 9, No. 6, Dec. 1913.  
 Vol. 9, No. 5, Nov. 1913.
- California State Agricultural Society, Report of 1908.
- Calorific (Thé) Power of Fuels.....Herman Poole



- Calorific Power of Gas.....J. H. Coste  
Calorimetry.....Frank H. Bates  
Calorimetry of Producer and Illuminating Gases. John F. Simmance  
Calorimetry (Industrial Gas)....C. W. Waidner and E. F. Mueller  
Capital and Rates, The Relation Between.....F. Strauss  
Carbonic Oxide in Illuminating Gas, Petition of Boston Gas  
Light Co. with Regard to.....State Board of Health Report  
Carbonization of Coal.....Vivian Byam Lewes  
Carbon Monoxide, The Use of Mice and Birds for Detecting,  
After Mine Fires and Explosions.....Geo. A. Burrell  
Carbon Monoxide (Relative Effects of) on Small Animals....  
.....Burrell, Seibert and Robinson  
Case-Hardening (The) of Steel.....Harry Brearley  
Cast Iron.....William J. Keep  
Catalogue of the American Indian Collection..Prof. T. S. C. Lowe  
Catalogue American Steam Gauge and Valve Mfg. Co. 1908.  
Catalogue of Crosby Steam Gauge and Valve Company.  
Catalogue C. W. Hunt Company.  
Catalogue D (Mueller).  
Catalogue (Illustrated) Morris, Tasker Co.'s Pascal Iron Works.  
Catalogue, 1909, Philadelphia, Pa. Nelson Valve Company.  
Catalogue Risdon Iron Works.  
Catalogue Stone & Webster.  
Catalysis, Studies in.....James M. Johnson  
Catechism of Central Station Gas Engineering in United States,  
Trustees Educational Fund.  
Catechism, Coal.....William Jasper Nicolls  
Catechism on Producer Gas.....Samuel S. Wyer  
Cause (The) of Business Depression.....  
.....Hugo Bilgram and Louis Edward Levy  
Cementation (The) of Iron and Steel.....Dr. Frederic Giolitti  
Cement, Portland.....Richard K. Meade  
Cements, Limes and Plasters.....Edwin C. Eskel  
Census (Compendium of the Tenth) of the United States. 1880.  
Part I and Part II.  
Census, Eleventh. 1890.....F. H. Newhall  
Central Electric Light and Power Stations and Street and Electric  
Railways, 1912. Department of Commerce.  
Central Station Gas Engineering in United States (Catechism of).  
Trustees Educational Fund.  
Centrifugal Pumps.....Lowenstein and Crissey  
Character and Quality of Gas. Joint Report.....  
.....A. M. Hunt and C. L. Cory  
Chemical Analysis, Manual of Qualitative.....  
.....Dr. C. Remigius Fresenius  
Chemical Analysis (Technical Methods of).....George Lunge  
Vol. I Part I and Part II. Vol. II. Part I and Part II.  
Chemical Analysis (Technical Methods of).....George Lunge  
Vol. III, Part I and Vol. III, Part II.  
Chemical Analysis (The Sampling and) of Iron and Steel.....  
.....O. Bauer and E. Deiss  
Chemical Annual, 1913 (Van Nostrand's)..Edited by John C. Olsen  
Chemical Atlas.....Edward L. Youmans  
Chemical and Microscopical, Tests and Reagents....Alfred I. Cohn  
Chemical (Some) Problems of Today.....Robert Kennedy Duncan  
Chemical and Physical Properties of Gases, Gasometry.....  
.....Robert Bunsen  
Chemical Reactions.....Dr. Phil Edmund Drechsel



## Chemical Society, Annual Report—

Vol. I. 1904.  
 Vol. II. 1905.  
 Vol. III. 1906.  
 Vol. IV. 1907.  
 Vol. V. 1908.  
 Vol. VI. 1909.

Vol. VII. 1910.  
 Vol. VIII. 1911.  
 Vol. IX. 1912.  
 Vol. X. 1913.  
 Vol. XI. 1914.

Chemical Statics and Dynamics.....J. W. Mellor

Chemical Technology.....Groves and Thorp

Vol. I. Fuels.

Vol. IV. Electric Lighting,

Vol. II. Lighting.

Photometry.

Vol. III. Gas Lighting.

Chemical Technology. Second Edition. Vol. I. Part II. Fuel  
 and Its Applications.....Ronalds and Richardson

Chemical Technology, Manual of.....Rudolf von Wagner

Chemistry, Annual Report on Progress of. 1904-1914. Chemical  
 Society.

Chemistry and Its Borderland.....Alfred W. Stewart

Chemistry (The) of Commerce.....Robert Kennedy Duncan

Chemistry, Comstock's. 1820.

Chemistry of Common Things.....Raymond B. Brownlee

Chemistry, Dictionary of Applied.....Sir Edward Thorpe

Vol. I. A-Che.

Vol. III. Gr-Oils.

Vol. II. Chi-Gou.

Vol. IV. Oilstone-Soda Nitre,

Vol. V. Sodium-Z.

Chemistry, The Earning Power of.....Arthur D. Little

Chemistry (Electro) Applied.....M. de Kay Thompson

Chemistry (Electro), Notes on.....F. G. Wiechmann

Chemistry, Engineering.....Thomas B. Stillman

2nd Edition. 1900.

3rd Edition. 1905.

Chemistry, Engine Room.....Augustus W. Gill

Chemistry of Familiar Things.....S. S. Sadtler

Chemistry (The) of Gas Manufacture.....H. M. Royle

Chemistry of Gas Manufacture, The. Vol. I. Materials and  
 Processes. 4th edition. 1907.....W. J. A. Butterfield

Chemistry, Gas Works.....Dr. H. B. Harrop

Chemistry, General Inorganic.....Alexander Smith

Chemistry, A History of.....J. Campbell Brown

Chemistry, Organic, Industrial and Manufacturing.....

.....Geoffrey Martin

Chemistry (Industrial) for the Student and Manufacturer.....

.....Rogers and Aubert

Chemistry, Industrial.....Henry K. Benson

Chemistry (Municipal).....Charles Baskerville

Chemistry, A New Era in.....Harry C. Jones

Chemistry, Organic.....Ira Remsen

Chemistry, Outlines of Industrial.....Frank Hall Thorp

Chemistry of Petroleum and Its Substitutes (A Practical Hand-  
 book).....C. K. Tinkler and F. Challenger

Chemistry (Physical), Elements of.....H. C. Jones

Chemistry and Physics, Handbook of.....Chemical Rubber Co.

Chemistry and Technology of Mixed Paints.....Maximilian Toch

Chemistry, Treatise on. Vol. I. The Non-Metallic Ele-  
 ments .....Roscoe and Schorlemmer

Chemistry, Treatise on. Vol. II. The Metals.....

.....Roscoe and Schloermer

Chemist's (Gas) Summary. 1913.....A. V. Hendrickson

Chlorine and Chlorine Products.....Geoffrey Martin

Chucks (Tools) and Fixtures.....Albert A. Dowd

- Citizens' Gas Light Company (Petition of the), Hearings by the Board of Aldermen of Boston on the. Nov. 9, 16, 30 and Dec. 7, 1874.
- City (The) and Guilds of London Institute's Examination in Gas Manufacture.....Walter Grafton
- City Smoke Ordinances and Smoke Abatement...Samuel B. Flagg
- Civil (American) Engineers' Pocketbook.....Mansfield Merriman
- Civil Engineers' Pocketbook.....Albert I. Frye
- Civil Engineers' Pocketbook.....John C. Trautwine
- Cleaning (The) of Blast Furnace Gases.....Frederick H. Wagner
- Climate of San Francisco. Bulletin 54.....Alexander C. McAdie
- Coal.....James Tonge
- Coal (Alaskan) Problems.....Walter L. Fisher
- Coal, Analyses of Mine and Car Samples Collected in 1911-1913.....Arno C. Fieldner and others
- Coals (Analysis of) in the United States.....L. W. Lord
- Coals Available for the Manufacture of Illuminating Gas.....White and Barker
- Coal Beds, Oil and Gas Wells, Through Workable.....Rice, Hood and others
- Coal Bed (Weathering of Pittsburg) at the Experimental Mine near Bruceton, Pa.....Horace C. Porter and A. G. Fieldner
- Coal Briquettes, Binders for.....James E. Mills
- Coal (Brown), Production and Use of, In the Vicinity of Cologne, Germany.....Chas. A. Davis
- Coal, The Carbonization of.....Vivian Lewes
- Coal Catechism.....William Jasper Nicolls
- Coal and Coal Oil.....Eli Bowen
- Coal and Coke, Methods of Analyzing.....Stanton and Fieldner
- Coal (The Coking of) at Low Temperatures.....S. W. Parr and H. L. Olin
- Coal (The Constituents of) Soluble in Phenol..Frazer and Hoffman
- Coal and Cupola Tests of Coke, Washing and Cooking Tests of.....Moldenke, Belden and Delamater
- Coal Dust, The Explosibility of.....George S. Rice
- Coal Dust Firing, Gas and.....Albert Putsch
- Coal Dust, Laboratory Study of Inflammability of..J. C. W. Frazer
- Coal, The Escape of Gas from.....Porter and Ovitz
- Coal, Fuel Tests with Illinois.....Breckenridge and Diserens
- Coal Gas, The Analysis, Technical Valuation, Purification and Use of.....W. R. Bowditch
- Coal Gas, Description of the Process of Manufacturing. 1815. 1st edition.....Frederick Accum
- Coal Gas, Description of the Process of Manufacturing. 1818. ....Frederick Accum
- Coal Gas, Description of the Process of Manufacturing. 1819. ....Frederick Accum
- Coal Gas, An Elementary Treatise on.....P. Munzinger
- Coal Gas Manufacture (The By-Products of).....K. R. Lange
- Coal Gas, The Manufacture of. Lecture delivered at the University of California.....E. C. Jones
- Coal Gas, Notes on the Manufacture and Distribution of.....Lieut.-Col. E. C. S. Moore
- Coal Gas, A Practical Treatise on the Manufacture and Distribution of. London, 1841. 1st edition, with list of subscribers.....Samuel Clegg, Jr.
- Coal Gas, A Practical Treatise on the Manufacture and Distribution of. 2nd edition, 1853.....Samuel Clegg, Jr.
- 3rd edition, 1859. 1868, London. 5th edition.
- Coal Gas, The Purification of. Lecture delivered at the University of California.....E. C. Jones

|   |                                      |
|---|--------------------------------------|
| Coal Gas Residuals.....   | F. H. Wagner                         |
| Coal Gas, A Treatise on. London, 1877.....  | William Richards                     |
| Coal Gas, Treatise on. London, 1878.....  | King                                 |
| Vol. I. Vol. II. Vol. III (2 sets).   |                                      |
| Coal Gas, A Treatise on the Purification of. London, 1884.  |                                      |
| .....   | R. P. Spice                          |
| Coal and Iron Ore Beds—Coke Manufacture. Report of Geological Survey, 1875. (State of Pa.)  |                                      |
| Coal in a Locomotive Boiler, Tests of Run-of-Mine and Briquetted.....   | Ray and Kreisinger                   |
| Coal on Locomotives, Comparative Tests on Run-of-Mine and Briquetted.....   | W. F. M. Goss                        |
| Coal Mines, Apparatus for Gas-Analysis, Laboratories at.....  | Burrell and Seibert                  |
| Coal Mines, Gases Found in.....   | Geo. A. Burrell and Frank M. Seibert |
| Coal Mines of the Western Coast.....  | W. A. Goodyear                       |
| Coal Miners, A Primer on Explosives for.....  | Monroe and Hall                      |
| Coal Mining.....  | T. H. Cockin                         |
| Coal, The Modification of Illinois. Temperature Distillation..  |                                      |
| .....   | Parr and Francis                     |
| Coals, Notes on Lithology of Gas.....   | James Paterson                       |
| Coal, Notes on the Sampling and Analysis of.....  | Arno C. Fieldner                     |
| Coal Oil (Coal and).....  | Eli Bowen                            |
| Coal Oil and Petroleum, Their Origin, History and Chemistry   |                                      |
| .....   | Henry Erni                           |
| Coal (Petroleum and Other), A Practical Treatise on.....  |                                      |
| .....   | Abraham Gesner                       |
| Coal (Purchase of) by the Government Under Specifications with Analyses of Coal Delivered for the Fiscal Year 1908-09, and 1909-1910. |                                      |
| Coal (Sampling Deliveries and Types of), Government Specifications for the Purchase of.....   | George S. Pope                       |
| Coal (The Smokeless Combustion of) in Boiler Furnaces, with a Chapter on Central Heating Plants.....                                  | Randall and Weeks                    |
| Coal (Soft) Hand Firing Under Power Plant Boilers.....  |                                      |
| .....   | Henry Kreisinger                     |
| Coal, The Spontaneous Combustion of.....  | Parr and Kressmann                   |
| Coals (Steaming Tests of) and Related Investigations.....   |                                      |
| .....   | Breckenridge, Kreisinger and Ray     |
| Coal in Storage, Deterioration and Spontaneous Heating of....   |                                      |
| .....   | Porter and Ovitz                     |
| Coal Tar and Ammonia.....   | George Lunge                         |
| Coal Tar Distillation and Working Up of Tar Products.....   |                                      |
| .....   | Arthur R. Wernes                     |
| Coal Tar Industry, The British.....   | W. M. Gardner                        |
| Coal Tar Residuals.....   | Frederick H. Wagner                  |
| Coal, Tests of, and Briquettes as Fuel for House-Heating Boilers.....   | D. T. Randall                        |
| Coal (United States) Available for Export Purposes.....   |                                      |
| .....   | Van E. Manning                       |
| Coal, The Volatile Matter of.....   | Porter and Ovitz                     |
| Coal, Washing and Coking Tests of.....  |                                      |
| .....   | Belden, Delamater, Groves and Way    |
| Coal, The Weathering of.....  | Parr and Wheeler                     |
| Coatings, Rustless.....   | M. P. Wood                           |
| Coke.....   | John Fulton                          |
| Coke Industry of the United States as Related to the Foundry  |                                      |
| .....   | Richard Moldenke                     |
| Coke Manufacture. Geological Survey of Pennsylvania, 1875.  |                                      |
| Report on Coal and Iron Ore Beds.....   | F. Platt                             |
| Coke, Metallurgical.....  | A. N. Belden                         |

- Coke, Methods of Analyzing Coal and.....Stanton and Fieldner  
 Coke Ovens (By-Product), The United-Otto System of.....  
 .....United Gas & Coke Co.  
 Coke, Report on Manufacture of. 1885.....Jos. D. Weeks  
 Coking (The) of Coal at Low Temperatures.....  
 .....S. W. Parr and H. L. Olin  
 Coking Practice (Modern).....Byron and Christopher  
 Coking Tests of Coal, Washing and.....  
 .....Belden, Delamater, Groves and Way  
 Collective Gas Exhibit. Register.  
 Collective Gas Exhibit. Scrapbook. History of P. G. Co., P. P. I. E.  
 Colloids (A Popular Treatise on the), in the Industrial Arts...  
 .....Prof. Dr. Kurt Arndt  
 Columns and Beams, A Study of Base and Bearing Plates for  
 .....N. Clifford Ricker  
 Columns (Investigation of Built-up) Under Load. Talbot and Moore  
 Columns, Resistance to Flow Through Locomotive Water....  
 .....Talbot and Enger  
 Columns, Tests of Brick and Terra Cotta Block. Talbot and Abrams  
 Columns, Tests of Concrete and Reinforced Concrete.....  
 .....Arthur N. Talbot  
 Combined Power and Heating Plants. Part III. Power, Heat-  
 ing and Ventilation.....C. L. Hubbard  
 Combustion of Coal (The Smokeless) in Boiler Furnaces, with  
 a Chapter on Central Heating Plants.....Randall and Weeks  
 Combustion (Internal) Engines and Gas Producers.....  
 .....Askling and Roesler  
 Combustion Engines, The Construction and Working of In-  
 ternal.....R. E. Mathot  
 Combustion Engine, Evolution of the Internal.....Edward Butler  
 Combustion Engines, Guldner's Internal.....H. Diederichs  
 Combustion Engines, Internal.....John K. Barton  
 Combustion (Internal) Engines.....Carpenter and Diederichs  
 Combustion (Internal) Engines.....Wm. M. Hogle  
 Combustion Engines (Internal).....Robert L. Streeter  
 Combustion, The Internal Engine.....H. E. Wimperis  
 Combustion Engines, Elementary Internal.....J. W. Kershaw  
 Combustion and Smokeless Furnaces.....Jos. W. Hays  
 Combustion, Surface. Lecture at Annual Convention American  
 Gas Institute. October, 1911.....Prof. Wm. A. Bone  
 Commerce, Chemistry of.....Robert K. Duncan  
 Commercial Deductions from Comparisons of Gasoline and  
 Alcohol Tests on Internal Combustion Engines.....  
 .....Robt. M. Strong  
 Commercial Trend of the Producer-Gas Power Plant in the  
 United States.....R. H. Fernald  
 Commissioner of Corporation in Answer to the Allegations of the  
 Standard Oil Company. December 30, 1907.  
 Commissioner of Labor, 14th Annual Report. 1899. Water, Gas  
 and Electric Light Plants.  
 Comparative Commercial Value of Gas Coals and Cannels....  
 .....David A. Graham  
 Comparative Fuel Values of Gasoline and Denatured Alcohol in  
 Internal Combustion Engines.....Strong and Stone  
 Comparative Tests of Run-of-Mine and Briquetted Coal on  
 Locomotives.....W. F. M. Goss  
 Compendium. 10th Census of United States. 1880. Part I and  
 Part II.  
 Compounds of Ammonia.....Camille Vincent  
 Composition of Coal Ash (Unit Coal and the).....  
 .....S. W. Parr and W. F. Wheeler



|   |                                |
|---|--------------------------------|
| Composition (The) of Paints and Pigments.....   | Maximilian Toch                |
| Compounds, Ammonia and Its.....   | J. Grossman                    |
| Compressed Air Plant for Mines.....   | Robert Peele                   |
| Compressed Air, Theory and Computations.....  | Elmo G. Harris                 |
| Compression (The) and Transmission of Illuminating Gas.....   |                                |
| .....   | Edward A. Rix                  |
| Compressors and Blowing Engines, Air.....   | Chas. H. Innes                 |
| Computations, Compressed Air, Theory and.....   | Elmo G. Harris                 |
| Comstock's Chemistry. 1820.   |                                |
| Concentrators, Ammonia Liquor and Ammonia.....  |                                |
| .....   | The Gas Machinery Company      |
| Concrete Beams, Test of Three Large Reinforced.....   |                                |
| .....   | Arthur N. Talbot               |
| Concrete Beams, Tests of Reinforced. 1907-1908.....   |                                |
| .....   | Arthur N. Talbot               |
| Concrete Costs.....   | F. Taylor and S. E. Thompson   |
| Concrete Design, Reinforced.....  | John Hawkesworth               |
| Concrete, Influence of Temperature on the Strength of.....  |                                |
| .....   | A. B. McDaniel                 |
| Concrete, Plain and Reinforced.....   | Taylor and Thompson            |
| Concrete and Reinforced Concrete Construction....   | Homer A. Reid                  |
| Concrete, Reinforced.....   | Charles F. Marsh               |
| Concrete, Reinforced.....   | Buel and Hill                  |
| Concrete and Steel, Tests of Bond Between.....  | Duff A. Abrams                 |
| Congress of Gas Associations of America. Proceedings of 1904.   |                                |
| Constitutions of Hydraulic Mortars.....   | Henri Le Chatelier             |
| Consolidated Gas Company vs. City of New York et al., Decision in re.   |                                |
| Constituents of Coal Soluble in Phenol.....   | Frazer and Hoffman             |
| Construction (Building) and Superintendence. Part III. Trussed Roofs and Roof Trusses.....                              | F. E. Kidder                   |
| Construction, Concrete and Reinforced Concrete..  | Homer A. Reid                  |
| Construction of Mill Buildings, A Treatise on the Design and.....   | Henry Grattan Tyrrell          |
| Construction, Gas Engine.....   | Parsall and Weed               |
| Construction of Gas Works.....  | Walter Ralph Herring           |
| Construction, Gas Holder and Tank.....  | F. S. Cripps                   |
| Construction and Management of Small Gas Works.....   |                                |
| .....   | Norton C. Humphreys            |
| Construction, The Materials of.....   | J. B. Johnson                  |
| Construction Plant (Handbook of), Its Cost and Efficiency...  |                                |
| .....   | Richard T. Dana                |
| Constructional—Self-Instruction for Student in Gas Manufacture .....  | Mentor                         |
| Construction, A Treatise on Masonry.....  | Ira O. Baker                   |
| Construction (The) and Working of Internal Combustion Engines .....   | R. E. Mathot                   |
| Cooking (Electric), Heating and Cleaning.....   | Maud Lancaster                 |
| Copper (Gold, Silver), Lead and Zinc in. 1910. Extract from Mineral Resources of the United States. Calendar Year 1910. |                                |
| Corrosion of Iron and Steel, An Electrolytic Method of Preventing, by.....  | C. K. Clement and L. V. Walker |
| Cost Data, Handbook of.....   | Halbert P. Gillette            |
| Cost (The Economic) of the Smoke Nuisance to Pittsburgh .....   | J. J. O'Connor, Jr.            |
| Costs, The Making of Rates and the "Additional Business" System of.....   | W. H. Gardiner, Jr.            |
| Cost of Work, Estimating the.....   | William B. Ferguson            |
| Coverings, Nonpareil High Pressure.....   | Armstrong Cork Co.             |
| Cranes (Hoists and Derricks), Machine Design.....   | H. D. Hess                     |

- Crossings, Grade, Change in. Long Island Ry. Co. Public Service Commission, First District, New York.  
 Crude Oil, Sketches in.....John J. McLaurin  
 Current (Alternating)—Wiring and Distribution.....  
 .....William LeRoy Emmet  
 Currents (Alternating) and Alternating Current Machinery...  
 .....D. C. and J. P. Jackson  
 Currents, Electrolysis from Stray.....Albert F. Ganz

## D

- Dangers to Workers from Dusts and Fumes and Methods of Protection. U. S. Dept. of Labor.....R. Meeker  
 Data, Handbook of Cost.....Halbert P. Gillette  
 Daylight and Artificial Light.....E. L. Nichols  
 Decision in re. Consolidated Gas Company vs. City of New York.  
 Department of Commerce. Central Electric Light and Power Stations, and Street and Electric Railways. 1912.  
 Depreciation—Present and Growing Need for the General Adoption of a Uniform System of Records, Accounts....  
 .....A. C. Humphreys  
 Depreciation, Principles of.....Earl A. Saliers  
 Depreciation and Wasting Assets.....P. D. Leake  
 Derrick and Drill. Discovery of Petroleum. Published, 1865, by James Miller.  
 Design and Construction of Internal Combustion Engines.....  
 .....Hugo Guldner  
 Design and Construction of Roofs, A Treatise on the.....  
 .....N. Clifford Ricker  
 Design, Elements of Gas Engine.....Sanford A. Moss  
 Design, Elements of Machine. Part I. General Principles, Fastenings and Transmissive Machinery. W. Cawthorne Unwin  
 Design, Elements of Machine. Part II. Chiefly on Engine Details.....W. Cawthorne Unwin  
 Design, Gas Engine.....Edward Lucke  
 Design of Surface Combustion Appliance.....G. E. Lucke  
 Design, Mechanical Drawing and Elementary Machine.....  
 .....John S. Reid  
 Design, Power House.....J. F. Snell  
 Design of Surface Combustion Appliances.....C. E. Lucke  
 Dessau Vertical Retort System.....Frederick Mayer  
 Destructive Distillation. 4th edition.....Edmund J. Mills  
 Deterioration and Spontaneous Heating of Coal in Storage...  
 .....Porter and Ovitz  
 Determination of Ammonia in Illuminating Gas. Technologic Papers of the Bureau of Standards.....J. W. Edwards  
 Determination of Sulphur in Illuminating Gas. Bulletin No. 20.....R. S. McBride and E. R. Weaver  
 Determination (The) of Penzine in Illuminating Gas.....  
 .....L. M. Dennis and Ellen S. McCarthy  
 Development and Electrical Distribution of Water Power....  
 .....Lamar Lyndon  
 Devices and Appliances, Mechanical Movements.....  
 .....Gardner D. Hiscox  
 Devices for Gas Illumination. 1886.....Thos. Newbigging  
 Diagrams (Energy and Velocity) of Large Gasholders.....  
 .....Paul L. Joslyn



- Dictionary of Applied Chemistry.....Sir Edward Thorpe  
Vol. I. Vol. II. Vol. III. Vol. IV. Vol. V.
- Die Design, Diemaking and.....Franklin D. Jones
- Diemaking and Die Design.....Franklin D. Jones
- Diesel (The) Engine.....Jas. G. Wells and A. J. Wallis-Taylor  
(Diesel Engine), Investigation and Experimental Researches  
for Construction of My Large Oil Engine.....H. Junkers
- Diesel Engines for Land and Marine Work.....A. P. Chalkley
- Diesel Stationary Marine Engines.....A. H. Goldingham
- Digest of U. S. Patents of Air, Caloric, Gas and Oil Engines and  
Other Internal Combustion Engines, Allen's—  
Vol. I. Plates. A. D. 1789-1905.  
Vol. II. Plates. A. D. 1789-1905.  
Vol. III. Claims. A. D. 1789-1905.  
Vol. IV. Claims. A. D. 1789-1905.  
Vol. V. Index.
- Direct-acting Steam Pumps.....Frank F. Nickel
- Director of the Bureau of Mines, 1st Annual Report, 1911. 4th  
Annual Report, 1914.
- Directory (Brown's) of American Gas Companies—  
1906. 1907. 1908. 1909. 1910.  
1911. 1912. 1913. 1914. 1915.
- Directory of Gas Light Companies. 1873..Wm. Wallace Goodwin
- Discoveries and Inventions of the 20th Century....Edward Cressy
- Distillation (Coal Tar) and Working Up of Tar Products.....  
.....Arthur R. Warnes
- Distillation (Low Temperature) The Modification of Illinois  
Coal by.....S. W. Parr and C. K. Francis
- Distillation, Destructive.....Edmund J. Mills
- Distribution Systems—Electric Central Station by.....  
.....Paul F. Williams and Harry B. Gear
- Distribution of Coal Gas, A Practical Treatise on the Manufac-  
ture and. London, 1841. 1st edition, with list of subscrib-  
ers.....Samuel Clegg, Jr.
- Distribution of Coal Gas, A Practical Treatise on the Manufac-  
ture and. London, 1868. 5th edition.....Samuel Clegg, Jr.
- Distribution of Gas. Lecture delivered at University of Cali-  
fornia.....E. C. Jones
- Distribution of Gas, The.....Walter Hole
- Distribution of Gas, The. 3rd edition.....Walter Hole
- Distribution and Measurement, Illumination, Its.....A. P. Trotter
- Distribution by Steel.....Woodall and Parkinson
- Douglas Fir, Properties and Uses of...McGarvey, Cline and Knapp
- Draft, Mechanical.....B. F. Sturtevant Company
- Drafts in Steam Boiler Practice, The Significance of.....  
.....W. T. Ray and H. Kreisinger
- Drawing (Mechanical) and Elementary Machine Design.....  
.....John S. Reid
- Drilling of Gas and Oil Wells (Proposed Regulations for the)  
with Comments Thereon.....Hood and Heggem
- Drilling (Oil Prospecting) and Extraction.....F. J. S. Sur
- Drilling Practice and Jig Design.....Erik Oberg
- Drilling Well in Oklahoma by the Mud-laden Fluid Method...  
.....A. G. Heggem and J. A. Pollard
- Dry Room Equipment, Application of Gas.....  
.....National Com. Gas Association
- Dust Prevention, Road Preservation and.....Wm. Pierson Judson
- Dyke's Motor Manual.....A. L. Dyke
- Dynamics, Chemical Statics and.....J. W. Mellor
- Dynamometers.....Rev. Frederick John Jervis-Smith

# E

- Earliest Works on Gas Lighting.....F. Southwell. Cripps
- Early and Later History of Petroleum and Biographical  
Sketches.....J. T. Henry
- Earning (The) Power of Chemistry.....Arthur D. Little
- Earth, Fullers'.....Charles L. Parsons
- Earthquakes in California. 1890-1899. Bulletin of the United  
States Geological Survey.
- Earthquake and Fire, San Francisco. April 18, 1906.....  
.....Gilbert, Humphrey, Sewell and Soule
- Economic Cost of the Smoke Nuisance to Pittsburgh.....  
.....J. J. O'Connor, Jr.
- Economics of Business.....Norris A. Brisco
- Economics, Engineering.....John C. L. Fish
- Economy (Fuel) and CO2 Recorders.....  
.....A. R. Maujer and Charles H. Bromley
- Effect of Keyways on the Strength of Shafts....Herbert F. Moore
- Efficiency Methods, Installing.....C. E. Knoepfel
- Efficient (The) Man.....Thomas D. West
- Electric Cables, High Tension Underground.....Henry Floy
- Electric Central Station Distributing Systems.....  
.....Paul F. Williams and Harry B. Gear
- Electric Cooking, Heating and Cleaning.....Maud Lancaster
- Electric Energy (Rates Charged for) by Pacific Gas & Electric Co.  
Board of Supervisors. February, 1912.
- Electric (The) Furnace, Its Construction, Operation and Uses  
.....Alfred Stansfield
- Electric Furnaces and Their Industrial Appliances.....J. Wright
- Electric Furnaces in the Iron and Steel Industry.....  
.....Rodenhauser and Schoenawa
- Electric Furnaces for Making Iron and Steel.....  
.....Dorsey A. Lyon and Robert M. Keeney
- Electric Lighting.....William Suddards Franklin
- Electric Lighting, Photometry.....Groves and Thorp  
(Chemical Technology. Vol. IV.)
- Electric Lighting, Industrial Photometry with Special Applica-  
tion to.....A. Palaz
- Electric Light and Power Enterprises, The Finances of Gas  
and.....William D. Marks
- Electric Lighting Specifications.....E. A. Merrill
- Electric Plant (Report on Cost of) for S. F. Resolution 2266,  
Fourth Series.....A. M. Hunt
- Electric Plants, Lighting Country Homes by Private.....  
.....T. H. Armine
- Electric Power Development in California.....John A. Britton
- Electric Poles, Wires, Cables, etc. (Erection of), Law Regulating  
State of California.
- Electric Power for Gas Works.....H. Staniforth
- Electric Power Transmission.....Louis Bell
- Electric Power Transmission, Long Distance.....  
.....Rollin W. Hutchinson
- Electric Railway Handbook.....Albert S. Richey
- Electric Switches for Use in Gaseous Mines.....  
.....H. H. Clark and R. W. Crocker
- Electrical Distribution of Water Power, Development and....  
.....Lamar Lyndon
- Electrical Engineers, American Handbook for.....Harold Pender
- Electrical Engineers, Standard Handbook for.....  
.....McGraw Publishing Co.
- Electrical Engineer's Pocketbook.....Horatio A. Foster

- Electrical Engineering, General Lectures on.....Charles Proteus Steinmetz
- Electrical Engineering, Introduction to the Study of..H. H. Norris
- Electrical (High Efficiency) Illuminants and Illumination....Rollin W. Hutchinson, Jr.
- Electrical Illuminating Engineering....William Edwards Barrows
- Electrical Installations, The Factor of Safety in Mine..H. H. Clark
- Electrical Insulation and Plastics, Molded.....Emile Hemming
- Electrical Solicitors' Handbook.....National Electric Light Assn.
- Electrical Supply, Legal Phases of Central Station Rate Making for.....James V. Oxtoby
- Electrician's Handbook (American).....Terrill Croft
- Electricity Rates, New York City, 1910. Public Service Commission, First District.
- Electricity in Daily Life. 1890.....Cyrus F. Brackett
- Electricity Meters.....Henry G. Solomon
- Electricity, Public Lighting by Gas and.....W. J. Dibdin
- Electricity and Water Works for Assessment, The Valuation of Gas.....T. and W. Newbigging
- Electrochemistry, Applied.....M. de Kay Thompson
- Electrochemistry (Applied) and Welding.....Chas. F. Burgess and Geo. W. Cravens
- Electrochemistry, Notes on.....F. G. Wiechmann
- Electrolysis, Report of Committee on. 1906.....American Gas Light Association
- Electrolysis from Stray Current.....Albert F. Ganz
- Electrolytic (An) Method of Preventing Corrosion of Iron and Steel.....J. K. Clement and L. V. Walker
- Elementary Internal Combustion Engines.....J. W. Kershaw
- Elementary—Self-Instruction for Students in Gas Manufacture.....Mentor
- Elementary Treatise on Coal Gas. 1875.....P. Munzinger
- Elementary Treatise on Heat and Heat Engines..W. C. Popplewell
- Elements of Gas Engine Design.....Sanford A. Moss
- Elements of Heat-Power Engineering.....Hirshfeld and Barnard
- Elements of Heating and Ventilation.....Arthur M. Greene, Jr.
- Elements of Machine Design. Part I. General Principles, Fastenings and Transmissive Machinery..W. Cawthorne Unwin
- Elements of Machine Design. Part II. Chiefly of Engine Details.....W. Cawthorne Unwin
- Elements of Physical Chemistry.....Harry C. Jones
- Encyclopedia, Nelson's—
- |           |            |
|-----------|------------|
| Vol. I    | Vol. VII   |
| Vol. II.  | Vol. VIII. |
| Vol. III. | Vol. IX.   |
| Vol. IV.  | Vol. X.    |
| Vol. V.   | Vol. XI.   |
| Vol. VI.  | Vol. XII.  |
- Energy and Velocity Diagrams of Large Gasholders.....Paul I. Joslyn
- Engine and Boiler Trials, Indicator and Prony Brake.....R. H. Thurston
- Engine Design, Gas.....Charles Edward Lucke
- Engine Design, Elements of Gas.....Sanford A. Moss
- Engine, The Diesel.....James G. Wells and A. J. Wallis-Taylor
- Engine, Evolution of the Internal Combustion.....Edward Butler
- Engine, The Gas.....Frederick Remsen
- Engine, The Gas.....F. R. Hutton
- Engine, The Gas.....Forrest R. Jones
- Engine, The Gas.....Cecil P. Poole
- Engine (Gas) Construction.....Parsell and Weed

- Engine (Gas) Manual.....Audels  
 Engine, The Gas and Oil.....Dugald Clerk  
 Engine, The Gas, Petrol and Oil. Vol. II.....Clerk and Burls  
 Engine (The Gas) in Principle and Practice....A. H. Goldingham  
 Engine, Gas Principles.....Rodger B. Whitman  
 Engine (Gas), A Practical Treatise on the "Otto" Cycle.....  
 .....William Norris  
 Engine (Gas), Questions and Answers from the Gas Engine  
 Publishing Co.  
 Engine (Gas) Theory and Design.....A. C. Mehrrens  
 Engine, Handbook on the Gas.....Herman Haeder  
 Engine, High-Speed Steam.....H. Keay Pratt  
 Engines (Internal Combustion) Comparative Fuel Values of  
 Gasoline and Denatured Alcohol in.....  
 .....R. M. Strong and L. Stone  
 Engine (Internal Combustion), Status of the Gas Producer in  
 the Utilization of Fuels.....R. H. Fernald  
 Engine, Management, Gas and Oil.....M. Powis Bale  
 Engine, Modern Gas Engine and Gas Producer.....A. M. Levin  
 Engine Room Chemistry.....Augustus H. Gill  
 Engine (The Steam) Indicator.....F. R. Low  
 Engine (Steam), A Manual of the. Part I.—Structure and  
 Theory.....R. H. Thurston  
 Engine (Steam), A Manual of the. Part II.—Design, Construc-  
 tion and Operation.....R. H. Thurston  
 Engine (Steam) Manual—Tables from Thurston's.....  
 .....R. H. Thurston  
 Engine Troubles and Installation (Gas).....J. B. Rathbum  
 Engineering Chemistry.....Thomas B. Stillman.  
 2nd edition, 1900. 3rd edition, 1905.  
 Engineering Economics.....John C. L. Fish  
 Engineering, Elements of Heat Power.....Hirshfeld and Barnard  
 Engineering, Electrical Illuminating.....William Edward Barrows  
 Engineering Enterprise Abroad (Aid Book to).....E. Matheson  
 Engineering, Experimental.....Rolla C. Carpenter  
 Engineering, Experimental.....Carpenter and Diederichs  
 Engineering (Gas) in the United States—Catechism of Central  
 Station. Trustees Gas Educational Fund.  
 Engineering, Heat.....Arthur M. Greene, Jr.  
 Engineering—Hydroelectric, Developments and....Frank Koester  
 Engineering (Illuminating) Modern Illuminants and.....  
 .....Leon Gaster and J. S. Dow  
 Engineering (Illuminating) The Relation of—to Architecture,  
 from the Engineer's Standpoint.....E. L. Elliott  
 Engineering Index Annual. 1913.  
 Engineering (The) Index Annual. 1915.  
 Engineering, Lectures on Illuminating. Delivered at Johns  
 Hopkins University. Vol. I and Vol. II.  
 Engineering, Materials of. Part I.—A Treatise on Non-Metallic  
 Materials.....R. H. Thurston  
 Engineering, Materials of. Part II.—A Treatise on Iron and  
 Steel.....R. H. Thurston  
 Engineering, Materials of. Part III.—A Treatise on Brasses,  
 Bronzes and Other Alloys.....R. H. Thurston  
 Engineering, Mechanics Applied to.....John Goodman  
 Engineering (Mechanical) of Power Plants.....F. R. Hutton  
 Engineering (National) and Trade Lectures. British Progress  
 in Gas Works Plant and Machinery.....C. E. Brackenbury  
 Engineering Office Systems and Methods.....John P. Davies  
 Engineering Practice, Handbook of American Gas..M. Nisbet Latta  
 Engineering, Steam.....William R. King



- Engineering, Steam Turbine.....Stevens and Hobart  
 Engineering, Steam Power Plant.....G. F. Gebhardt  
 Engineering, Storage Battery.....Lamar Lyndon  
 Engineering Thermodynamics, New Edition.....  
     .....Charles Edward Lucke and John J. Flather  
 Engineering, Water Power.....Daniel W. Mead  
 Engines (Aero), with a General Introductory Account of the  
     Theory of the Internal Combustion Engine.....G. A. Burls  
 Engines—(Air, Caloric, Gas, Oil and Other Internal Combustion)  
     Digest of U. S. Patents.....Allen's  
     Vol. I. Plates. A. D. 1789-1905.  
     Vol. II. Plates. A. D. 1789-1905.  
     Vol. III. Claims. A. D. 1789-1905.  
     Vol. IV. Claims. A. D. 1789-1905.  
     Vol. V. Index.  
 Engines (Blowing), Air Compressors and.....Chas. H. Innes  
 Engines, Comparative Fuel Values of Gasoline and Denatured  
     Alcohol in Internal Combustion.....Strong and Stone  
 Engines, The Construction and Working of Internal Combustion  
     .....R. E. Mathot  
 Engines, Design and Construction of Internal Combustion...  
     .....Hugo Guldner  
 Engines (Diesel) for Land and Marine Work.....A. P. Chalkley  
 Engines, Elementary Internal Combustion.....J. W. Kershaw  
 Engines, Gas, Gasoline and Oil.....Gardner D. Hiscox  
 Engines (Gas) High Power.....H. Dubbel  
 Engines, Gasoline, Gas and Oil. Vol. II.—Valve and Valve  
     Gears.....Franklin De Ronke Furman  
 Engines, Gasoline and Alcohol Tests on Internal Combustion  
     .....Robert M. Strong  
 Engines (Gas and Oil) and Gas Producers.....Marks and Wyer  
 Engines, Gas, Oil and Air.....Bryan Donkin  
 Engines (Guldner's) Internal Combustion.....H. Diederichs  
 Engines, Heat.....Allen and Bursley  
 Engines (Heat) Elementary Treatise on Heat and.....  
     .....W. C. Popplewell  
 Engines, Internal Combustion.....Robert L. Streeter  
 Engines (Internal Combustion), Design and Construction of..  
     .....Hugo Guldner  
 Engines, Internal Combustion.....Carpenter and Diederichs  
 Engines, The Internal Combustion.....H. E. Wimperis  
 Engines, Internal Combustion.....John K. Barton  
 Engines, Internal Combustion.....Wm. M. Hogle  
 Engines (Internal Combustion), The Construction and Work-  
     ing of.....R. E. Mathot  
 Engines (Internal Combustion) and Gas Producers.....  
     .....Askling and Roesler  
 Engines (Modern Gas) and Producer Gas Plants.....Mathot  
 Engines, Some Notes on Gas.....H. Diederichs  
 Engines (Stationary Marine) Diesel.....A. H. Goldingham  
 Engines, Stationary Steam.....Robt. H. Thurston  
 Engines (Steam and Gas), Farm Motors.....Andrey A. Potter  
 Engines, System of (Catalogue).....  
     .....Harrisburg Foundry and Machine Works  
 Engines, The Testing of Motive Power.....R. Boyds  
 Engineer's (American Civil) Pocketbook.....  
     .....Mansfield Merriman (Editor-in-Chief)  
 Engineer's (American) Gas and Superintendent's Handbook..  
     .....William Mooney  
 Engineers, Calculus for.....John Perry  
 Engineers' (Civil) Pocketbook.....Albert I. Frye

- Engineers (Electrical) American Handbook for....Harold Pender  
 Engineer's (Electrical) Pocketbook.....Horatio A. Foster  
 Engineer's (Gas) Diary and Textbook. 1880.  
 Engineer's (Gas) Price Book for Estimates and Valuations....  
 .....Fred C. Moon  
 Engineer's (Gas) Laboratory Handbook.....John Hornby  
 Engineer's (Gas) and Superintendent's Pocket Almanac.....  
 .....American Meter Company  
     For the Year 1873.                      For the Year 1879.  
     For the Year 1874.                      For the Year 1881.  
 Engineers (Gas) and Managers, Handbook for..Thos. Newbigging  
 Engineers, Handbook of Tables and Formulas for.....  
 .....Clarence A. Pierce and Walter B. Carver  
 Engineers' and Mechanics' Tables.....P. Munzinger  
 Engineer's (Mechanical) Manual of Rules, Tables and Data...  
 .....D. K. Clark  
 Engineer's (Mechanical) Reference Book..Henry Harrison Suplee  
 Engineer's Pocket Almanac. 1873-1879.....American Meter Co.  
 Engineer's Pocketbook, 1905.....Charles H. Haswell  
 Engineer's Pocketbook, 1906 (Civil).....John C. Trautwine  
 Engineer's Pocketbook, Electrical.....Horatio A. Foster  
 Engineer's Pocketbook, Mechanical, 1906.....Kent's  
 Engineer's Pocketbook, The Gas.....H. O'Connor  
 Engineers, Standard Handbook for Electrical.....  
 .....McGraw Publishing Co.  
 Engineers' (Structural) Handbook.....Milo S. Ketchum  
 Equipment (Mechanical) of Federal Buildings.Nelson S. Thompson  
 Essential Factors in the Formation of Producer Gas.....  
 .....Clement, Adams and Haskins  
 Estimates and Valuations.....Jesse F. Scott  
 Estimating the Cost of Work.....William B. Ferguson  
 Estimator, The New Building.....William Arthur  
 Evolution of Gas Lighting and Heating. Centenary of Gas.  
 Evolution of the Internal Combustion Engine.....Edward Butler  
 Examination of Hydrocarbon Oils.....Prof. Dr. D. Holde  
 Examination of Lubricating Oils.....Thos. B. Stillman  
 Excavating (Rock) and Blasting.....J. J. Cosgrove  
 Excerpts from Municipal Reports—Lighting Streets and Public  
 Buildings.....S. F. Gas & Electric Co.  
 Expensive (An) Experiment—The Hydro-Electric Power Com-  
 mission of Ontario.....Reginald Pelham Bolton  
 Experimental Engineering.....Rolla R. Carpenter  
 Experimental Engineering. 7th edition..Carpenter and Diederichs  
 Experimental Station of the University of California, Report on  
 Work of Agricultural. 1894-1895.  
 Explosion in Coal Mines. Notes on the Prevention of Dust  
 and Gas.....G. S. Rice  
 Explosives, Their Manufacture, Properties, Test and History...  
 .....Arthur Marshall  
 Explosive Mine Gases and Dusts.....Rollin Thomas Chamberlin  
 Explosibility of Coal Dust.....George S. Rice  
 Explosives.....Dr. H. Brunswig  
 Explosives (A Primer on) for Coal Miners.....Monroe and Hall.

## F

- Factor of Safety in Mine Electrical Installations.....H. H. Clark  
 Factory Lighting.....Clarence E. Clewell



- Factory, The Modern—Safety, Sanitation and Welfare.....George M. Price, M. D.
- Factory Power Plants, Preventing Losses in.....David Moffat Myers
- Farm Motors, Steam and Gas Engines, Hydraulic and Electric Motors, Windmills.....Andrey A. Potter
- Federal Buildings, Mechanical Equipment of.....Nelson S. Thompson
- Finances (The) of Gas and Electric Light and Power Enterprises.....William D. Marks
- Fir (Douglas), Properties and Uses of.....Cline and Knapp
- Fire Protection and Fire Prevention.....Joseph Kendall Freitag
- Fire Protection for San Francisco, Auxiliary Water Supply System for.....Marsden Manson
- Fire—The San Francisco Earthquake and, of April 18, 1906...G. K. Gilbert
- Fires, Gas Analysis as an Aid in Fighting Mine.....Burrell and Seibert
- Firing (Gas and Coal Dust).....A. Putsch
- First Minute Book of the San Francisco Gas Company, 1852, including the Ordinance to provide for lighting the City with Gas, together with the Constitution, By-Laws, and the Records until January 20, 1862, containing many autographs of those connected with the earlier history of gas lighting in San Francisco.
- Fittings (Gas) and Gas.....H. F. Hills
- Fixtures, Tools, Chucks and.....Albert A. Dowd
- Flea (Plague) of California.....Bulletin State Board of Health
- Floors, Beams and Roofs, Strength of.....F. E. Kidder
- Flue Gas, Apparatus for the Exact Analysis of..Burrell and Seibert
- Forester (State), Report of. State of California. 1910.....G. M. Homans
- Forests, The Use of the National. 1907. United States Department of Agriculture Forest Service.
- Foundations, A Practical Treatise on.....W. M. Patton
- Foundry—Cupola Gases and Temperatures.....A. W. Belden
- Foundry Practice, American.....Thos. D. West
- Franchise, Obligations Imposed by the Possession of a Franchise. Franklin Institute, Journal of—  
May, 1910.  
Vol. I. July, 1912.  
Vol. II. August, 1912.  
Vol. III. September, 1912.
- Franklin Journal, American Mechanic's Magazine—  
July, 1827.  
October, 1827.  
November, 1827.  
June, 1831.  
December, 1827.
- Friction and Lost Work in Machinery and Mill Work.....R. H. Thurston
- Fuel, Air as.....O. C. D. Ross
- Fuel, Briquettes and Patent.....Philip J. Bjorling
- Fuel—Briquetting Investigations. July, 1904. July, 1912.....C. L. Wright
- Fuel (Comparative) Values of Gasoline and Denatured Alcohol in Internal Combustion Engines.....Strong and Stone
- Fuel Economy and CO<sub>2</sub> Recorders.....A. M. Maujer and Chas. H. Bromley
- Fuel Economy Tests at a Large Oil-Burning Electric Power Plant Having Steam Engine Prime Movers...C. R. Weymouth
- Fuel, Gaseous.....B. H. Thwaite

- Fuel (Gas and) Technical Analysis.....Alfred H. White  
 Fuel for Internal Combustion Engines (Heavy Oil as)..I. C. Allen  
 Fuel (Gas and) Analysis for Engineers.....Augustus H. Gill  
 Fuel, An Introduction to the Study of.....F. J. Brislee  
 Fuel in Locomotive Practice, The Utilization of....W. F. M. Goss  
 Fuel, Oil.....Edward Butler  
 Fuel (Oil).....Prof. V. R. Lewes  
 Fuel Oil, Its Supply, Composition and Application....S. H. North  
 Fuel (Oil). Revised Edition.....S. H. North  
 Fuel Oil (Purchase of) for the Government, with Directions for  
 Sampling Oil and Natural Gas.....Irving C. Allen  
 Fuel (Oil) for Steam Boilers.....Rufus T. Strohman  
 Fuel Oil, Unnecessary Losses in Firing and an Automatic Sys-  
 tem for Eliminating Them.....C. R. Weymouth  
 Fuel for Power Plant Boilers, North Dakota Lignite as a....  
 .....Randall and Kreisinger  
 Fuel and Refractory Materials.....A. Humboldt Sexton  
 Fuel, Science of Burning Liquid.....Wm. Newton Best  
 Fuel (Saving) in Heating a House.....  
 .....L. P. Breckenridge and S. B. Flagg  
 Fuel, Solid, Liquid and Gaseous.....J. S. S. Brame  
 Fuel (Study of), an Introduction to the.....F. J. Brislee  
 Fuel Tests with House-Heating Boilers.....J. M. Snodgrass  
 Fuel Tests with Illinois Coal.....Breckenridge and Diserens  
 Fuel, The Use of Peat for, and Other Purposes....Chas. A. Davis  
 Fuel Values of Gasoline and Denatured Alcohol in Internal  
 Combustion Engines.....R. M. Strong and L. Stone  
 Fuel, Water and Gas Analysis for Steam Users..John B. C. Kershaw  
 Fuels, the Calorific Power of.....Herman Poole  
 Fuels—Chemical Technology. Vol. I.....Groves and Thorp  
 Fuels, Gaseous, Liquid and Solid.....  
 .....J. H. Coste and E. R. Andrews  
 Fuels, Heat, Energy and.....Hanns Juptner  
 Fuels, Liquid and Gaseous.....Vivian B. Lewes  
 Fuels, Status of the Gas Producer and of the Internal Com-  
 bustion Engine in the Utilization of.....R. H. Fernald  
 Fuels—The Sulphur Content of, Especially Petroleum Products  
 .....Allen and Robertson  
 Fullers' Earth.....Charles L. Parsons  
 Furnace (The Electric), Its Construction, Operation and Uses  
 .....Alfred Stansfield  
 Furnace Gases, Apparatus and Methods for the Sampling and  
 Analysis of.....Frazer and Hoffman  
 Furnace Gases.. (Blast), The Cleaning of....Frederick H. Wagner  
 Furnace Walls, Flow of Heat Through.....Ray and Kreisinger  
 Furnaces, Combustion and Smokeless.....Jos. W. Hays  
 Furnaces (Electric) in the Iron and Steel Industry.....  
 .....Dipl. Ing. W. Rodenhauser  
 Furnaces (Electric) and Their Industrial Applications...J. Wright  
 Furnaces (Electric) for Making Iron and Steel.....  
 .....Dorsey A. Lyon and Robert M. Keeney  
 Furnaces, Producer Gas Fired.....Oskar Nagel  
 Furnaces and Refractories.....F. T. Havard  
 Furnaces, The Smokeless Combustion of Coal in Boiler, with a  
 Chapter on Central Heating Plants.....Randall and Weeks  
 Furnaces (Tile-Roof) Under a Water-Tube Boiler, Tests of  
 Two Types.....J. M. Snodgrass

## G

- Galvanizing and Tinning.....W. T. Flanders
- Gas Age (The). Formerly Progressive Age. April 15, 1913.
- Gas Analyses.....W. H. Birchmore
- Gas Analysis.....Dr. Walter Hempel
- Gas Analysis.....L. M. Dennis
- Gas Analysis as an Aid in Fighting Mine Fires.....
- .....Burrell and Seibert
- Gas Analysis (Apparatus for) Laboratories at Coal Mines....
- .....Burrell and Seibert
- Gas Analysis, An Apparatus for Rapid.....Arthur H. Elliott
- Gas Analysis, Exercises in.....Dr. Hartwig Franzen
- Gas Analysis (Fuel, Water and) for Steam Users.....
- .....John B. C. Kershaw
- Gas Analysis, Technical.....Frank H. Bates
- Gas Analysis, Technical.....Winkler and Lunge
- Gas Analysis (Technical). Revised edition. July, 1914.....
- .....G. Lunge
- Gas Analyst's Manual.....Jacques Abady
- Gas, Annual Report. Philadelphia, 1888. Bureau of.
- Gas, Apparatus for the Exact Analysis of Flue.....
- .....Burrell and Seibert
- Gas Appliance Salesmen, Instructions to.....J. E. Bullard
- Gas Appliances, Utilization of.....
- .....National Commercial Gas Association Course
- Gas Arc Lighting.....Welsbach Lighting Co.
- Gas Associations of America, held at Louisiana Purchase Exposition, June 1904, Proceeding of the Congress of.
- Gas, Calorimetry of Producer and Illuminating.....
- .....John F. Simmance
- Gas, The Calorific Power of.....J. H. Coste
- Gas, Catechism on Producer.....Samuel S. Wyer
- Gas, Character and Quality of.....Hunt and Cory
- Gas Chemist's Summary. 1913.....A. V. Hendrickson
- Gas (Coal), The Analysis, Technical Valuation, Purification and Use of. London, 1867.....W. R. Bowditch
- Gas (Coal), Description of the Process of Manufacturing. 1819.
- .....Frederick Accum
- Gas (Coal), The Manufacture of. A lecture delivered at the University of California.....E. C. Jones
- Gas (Coal) Manufacture, the By-Products of.....K. R. Lange
- Gas and Coal Dust Firing.....Albert Putsch
- Gas (Coal), A Practical Treatise on the Manufacture and Distribution of. London, 1841. 1st edition, with list of subscribers.....Samuel Clegg, Jr.
- Gas (Coal), Practical Treatise on Manufacture and Distribution of. 2nd edition. 1853.....Samuel Clegg, Jr.
- Gas (Coal), Practical Treatise on Manufacture and Distribution of. 3rd edition. 1859.....Samuel Clegg, Jr.
- Gas (Coal), A Practical Treatise on the Manufacture and Distribution of. 1868.....Samuel Clegg, Jr.
- Gas (Coal), A Treatise on.....William Richards
- Gas (Coal), Treatise on. King's. London, 1878.
- Vol I. Vol. II. Vol. III (2 sets).
- Gas (Coal), A Treatise on the Purification of, and the Advantages of Cooper's Coal Liming Process. London, 1884....
- .....R. P. Spice
- Gas Coals, Notes on the Lithology of.....James Paterson

- Gas Coals and Cannels, Comparative Commercial Values of... David A. Graham
- Gas Companies, Brown's Directory of—  
 1906. 1908. 1910. 1912. 1914.  
 1907. 1909. 1911. 1913. 1915.
- Gas Companies of the Pacific Coast. July 18, 1899.
- Gas Company vs. City of New York, Decision in re Consolidated.
- Gas, The Compression and Transmission of Illuminating..... Edward A. Rix
- Gas, The Distribution of. A Lecture delivered at the University of California..... E. C. Jones
- Gas (Distribution of)—Report of the Board of Revision.
- Gas, Distribution of..... Walter Hole  
 1st edition. 3rd edition.
- Gas, Distribution of, Steel Mains for..... Walter Hole
- Gas and Electric Conditions in the City of Oakland, Cal.—Report on the
- Gas and Electric Light Commissioners' Annual Report—  
 1st, 1886. 13th, 1898. 22nd, 1907.  
 3rd, 1888. 14th, 1899. 23rd, 1908.  
 4th, 1889. 15th, 1900. 24th, 1909.  
 5th, 1890. 16th, 1901. 25th, 1909.  
 7th, 1892. 17th, 1902. 26th, 1910.  
 9th, 1894. 18th, 1903. 27th, 1911.  
 10th, 1895. 19th, 1904. 28th, 1912.  
 11th, 1896. 20th, 1905. 29th, 1913.  
 12th, 1897. 21st, 1906. 30th, 1914.
- Gas and Electric Light and Power Enterprises, The Finance of. William D. Marks
- Gas and Electric Lighting, The Relative Hygienic Values of. Journal of the Royal Sanitary Institute..... Samuel Rideal
- Gas and Electric Lighting, Review of the Report of Dr. S. Rideal on the Hygienic Value of..... Alex. H. Strecker
- Gas and Electricity, Public Lighting by..... W. J. Dibdin
- Gas, Electricity and Water Works for Assessment, The Valuation of..... T. and W. Newbigging
- Gas (The) Engine..... Cecil P. Poole
- Gas (The) Engine..... F. R. Hutton
- Gas (The) Engine..... Forrest R. Jones
- Gas (The) Engine..... Frederick Remsen
- Gas (The) Engine Handbook..... E. W. Roberts
- Gas Engine Construction..... Parsell and Weed
- Gas Engine Design..... Charles Edward Lucke
- Gas Engine Design, Elements of..... Sanford A. Moss
- Gas Engine, Handbook of The..... Herman Haeder
- Gas Engine Manual, Audel's. A Practical Treatise with Illustrations and Diagrams.
- Gas Engine (The) in Principle and Practice..... A. H. Goldingham
- Gas (The) and Oil Engine..... Dugald Clerk
- Gas Engine (Modern) and Gas Producer..... A. M. Levin
- Gas Engine, A Practical Treatise on the "Otto" Cycle..... William Norris
- Gas Engine Principles..... Roger N. Whitman
- Gas Engine Theory and Design..... A. C. Mehrtens
- Gas Engine Troubles and Installation..... J. B. Rathbun
- Gas Engine, Questions and Answers from the..... Gas Engine Publishing Company
- Gas Engineering (Central Station) in the United States (Catechism of). Trustees Gas Educational Fund.
- Gas Engineering Practice, Handbook of American.. M. Nisbet Latta
- Gas Engineer's Diary and Textbook. 1880



|  |  |
|--|--|
| Gas Engineer's Laboratory Handbook.....                          | John Hornby                            |
| Gas Engineers and Managers, Handbook for....                     | Thos. Newbigging                       |
| 7th edition. 1904.   |  |
| Gas (The) Engineer's Pocketbook.....                             | H. O'Connor                            |
| Gas Engineer's Price Book for Estimates and Valuations....       |  |
| .....  | Fred C. Moon                           |
| Gas Engineer's and Superintendent's Pocket Almanac for Year      |  |
| 1873.....  | American Meter Company                 |
| Gas Engineer's and Superintendent's Pocket Almanac for Year      |  |
| 1874.....  | American Meter Company                 |
| Gas Engineer's and Superintendent's Pocket Almanac for Year      |  |
| 1879.....  | American Meter Company                 |
| Gas Engineer's and Superintendent's Pocket Almanac for Year      |  |
| 1881.....  | American Meter Company                 |
| Gas Engineer's and Superintendent's Handbook...                  | William Mooney                         |
| Gas Engines, High Power.....                                     | H. Döbbel                              |
| Gas Engines and Producers.....                                   | Marks and Wyer                         |
| Gas Engines and Producer Gas Plants.....                         | R. E. Mathot                           |
| Gas Engines, Some Notes on.....                                  | H. Diederichs                          |
| Gas (The Escape of) from Coal.....                               | Porter and Ovitz                       |
| Gaseous Fuel.....  | B. H. Thwaite                          |
| Gaseous (Fuels) Liquid and Solid...J. H. Coste and E. R. Andrews |  |
| Gaseous Fuels, Liquid and.....                                   | Vivian B. Lewes                        |
| Gaseous Fuel (Solid, Liquid).....                                | J. S. S. Brame                         |
| Gaseous Mixtures (Inflammable) The Influence of Inert Gases      |  |
| on.....  | J. K. Clement                          |
| Gases, Apparatus and Methods for the Sampling and Analysis       |  |
| of Furnace.....  | Frazer and Hoffman                     |
| Gases, Calorimetry of Producer and Illuminating.....             |  |
| .....  | John F. Simmance                       |
| Gases, The Cleaning of Blast Furnace.....                        | Frederick H. Wagner                    |
| Gases (Explosive Mine) and Dusts....                             | Rollin Thomas Chamberlin               |
| Gases Found in Coal Mines..                                      | Geo. A. Burrell and Frank M. Seibert   |
| Gases (Foundry-Cupola) and Temperatures.....                     | A. W. Belden                           |
| Gases (Inert) The Influence of, on Inflammable Gaseous Mix-      |  |
| tures.....   | J. K. Clement                          |
| Gases, Liquid Air and the Liquefaction of.....                   | T. O'Connor Sloane                     |
| Gases, The Measurement of.....                                   | Carl C. Thomas                         |
| Gases (Measurement of) where Density Changes.....                |  |
| .....  | Henry P. Westcott                      |
| Gases (Mine) Sampling and Examination of.....                    |  |
| .....  | George A. Burrell and Frank M. Seibert |
| Gases, Petroleum and Natural and Manufactured.....               |  |
| .....  | Daniel D. Donahue                      |
| Gases, Standard Reduction Factors for..                          | Hellon Books MacFarland                |
| Gases, Study of.....   | Morris W. Travers                      |
| Gases (The Transportation of), Liquids and Solids...Oskar Nagel  |  |
| Gases (Theory of)—Technical Thermodynamics Fundamental           |  |
| Laws of. Vol. I.....   | Dr. Gustav Zeuner                      |
| Gas Fitters' and Plumbers' Guide.....                            | J. D. Galloway                         |
| Gasfitting, A Handbook of Practical.....                         | Walter Grafton                         |
| Gasfitting, Practical.....                                       | Paul N. Hasluck                        |
| Gas and Fuel Analysis for Engineers.....                         | Augustus H. Gill                       |
| Gas Furnished to the City of San Francisco (Report on Character  |  |
| of) with Special Reference to Complaints Against High Bills      |  |
| during Months of December, 1908, and Jan. and Feb., 1909.        |  |
| Gas and Fuel Analysis, Technical.....                            | Alfred H. White                        |
| Gas and Gas Fittings.....  | H. F. Hills                            |
| Gas, Gasoline and Oil Engines.....                               | Gardner D. Hiscox                      |
| Gas and Gas Meters, Practical Testing of.....                    | C. H. Stone                            |
| Gas and Gas Works.....   | Hughes and O'Connor                    |

- Gas, Handbook of Natural.....Henry P. Wescott  
 Gasholder and Tank Construction.....F. S. Cripps  
 Gasholders (Accident to) at Ilkeston.....A. G. Drury  
 Gasholders, Energy and Velocity Diagrams of Large.....  
     .....Paul L. Joslyn  
 Gasholders With and Without Guide Framing....Pease and Cripps  
 Gas Ignition of, by Miniature Electric Lamps with Tungsten  
     Filaments.....H. H. Clark  
 Gas, Ignition of, by Standard Incandescent Lamps.....H. H. Clark  
 Gas (Illuminating), Coals Available for the Manufacture of...  
     .....White and Barker  
 Gas (Illuminating), The Compression and Transmission of....  
     .....Edward A. Rix  
 Gas (Illuminating), State and Municipal Regulations for the  
     Quality, Distribution and Testing of, Circular of the Bureau  
     Standards, No. 32.....S. W. Stratton, Director  
 Gas Illuminations, Devices for.....Thos. Newbigging  
 Gas Illuminating of People's Building, Chicago....Chas. A. Luther  
 Gas Industry (The)—Heat, Light and Power—  
     January-December, 1911.  
     January-December, 1912.  
     January-June, 1913.  
     July-December, 1913.  
     January-June, 1914.  
     July-December, 1914.  
     January-June, 1915.  
     July-December, 1915.  
 Gas Institute News.....American Gas Institute  
     January-December, 1913.  
     January-December, 1914.  
     January-December, 1915.  
 Gas Investigations, Producer, Department of the Interior....  
     .....Fernald and Smith  
 Gas—Laws Relating to (and Water).....Nichall and Will  
 Gas, The Law Relating to Oil and.....W. W. Thornton  
 Gas Light Companies, Directory of.....Wm. Wallace Goodwin  
 Gaslight, A Practical Treatise on. 1815. 1st edition. The First  
     Practical Treatise on the Subject.....Frederick Accum  
 Gaslight, A Practical Treatise on. 1818.....Frederick Accum  
 Gas Lighting, American Practice of.....Wm. Paul Gerhard  
 Gas Lighting—Chemical Technology. Vol. III..Groves and Thorp  
 Gas Lighting (The Earliest Works on) and Lists of Books,  
     Pamphlets and Important References Prior to the Year  
     1814. London, 1907.....F. Southwell Cripps  
 Gas Lighting, The Hygienic Value of.....R. F. Pierce  
 Gas Lighting, History of. 1827.....William Matthews  
 Gas Lighting, A History of the Introduction of. London, 1907.  
     .....Chas. Hunt  
 Gas Lighting, Incandescent.....M. G. Whitaker  
 Gas Lighting, A Practical Treatise on. 3rd edition. London,  
     1841.....Thomas S. Peckston  
 Gas Lights, Some Information Concerning.....Thomas Cooper  
 Gas Main Laying, Some Notes on Modern.....W. H. Y. Webber  
 Gas Manufacture.....J. Hornby  
 Gas Manufacture, The Chemistry of.....H. M. Royle  
 Gas Manufacture, The Chemistry of. Vol. I—Materials and  
     Processes.....W. A. J. Butterfield  
 Gas Manufacture, The City and Guilds of London Institute's  
     Examination in.....William Grafton  
 Gas Manufacture, Modern Appliances in....Fletcher W. Stevenson



- Gas Manufacture, Self-Instruction for Students in (Elementary) ..... Mentor
- Gas, The Manufacturing of Producer, from City Garbage..... Universal Sanitary Reduction and Power Co.
- Gas Manufacture, Self-Instruction for Students in (Constructional)..... Mentor
- Gas Manufacture, Self-Instruction for Students in (Advanced) ..... Mentor
- Gas Manufacture, A Text Book of..... John Hornby
- Gas Manufacture, The Chemistry of..... W. J. A. Butterfield
- Gas (Manufacture of) from Tar, Oil and Other Liquid Hydro-Carbons..... Wm. Burns
- Gas Measuring Apparatus, Some Recent Developments in.... Carl C. Thomas
- Gas, The Measurement of. Lecture Delivered at University of California..... E. C. Jones
- Gas—Municipal Ownership in the United States.. Edward W. Bemis
- Gas (Natural)—Liquefied Products from, Their Properties and Uses..... Allen and Burrell
- Gas (Natural) and Means for Their Prevention, Wastes in the Production and Utilization of..... Arnold and Clapp
- Gas (Natural) Sampling and Examination of Mine Gases and.. George A. Burrell and Frank M. Seibert
- Gas (Natural) The Utilization of Petroleum and.... W. R. Calvert
- Gas, Oil and Air Engines..... Bryan Donkin
- Gas (The) and Oil Engine..... Dugald Clerk
- Gas and Oil Engine Management..... M. Powis Bale
- Gas and Oil Engines and Gas Producers..... Marks and Wyer
- Gas and Oil Wells (Proposed Regulations for the Drilling of) with Comments thereon..... Hood and Heggem
- Gasoline and Alcohol Tests on Internal Combustion Engines. Commercial Deductions from Comparison of..... Robert M. Strong
- Gasoline and Denatured Alcohol in Internal-Combustion Engines. Comparative Fuel Value of.. R. M. Strong and L. Stone
- Gasoline (Gas) and Oil Engines..... Gardner D. Hiscox
- Gasometry—Comprising the Lighting, Physical and Chemical Properties of Gases. London, 1857..... Robert Bunsen
- Gas, Petrol Air..... Henry O'Connor
- Gas Petrol and Oil Engine. Vol. II..... Clerk and Burls
- Gas Piping and Gas Lighting, American Practice of, in Building ..... Wm. P. Gerhard
- Gas Plants, Suction..... C. Alfred Smith
- Gas Power..... F. E. Junge
- Gas Power..... Hirshfeld and Ulbricht
- Gas Power (The Adaptation of) for Central Station Service.. N. Latta
- Gas (Prices Charged for) in Various Cities of the United States from 1885 to 1907, inclusive... Milwaukee Gas Light Company
- Gas Process, Hydrocarbon, Under the Gwynne-Harris Patents. Silliman and Wurtz
- Gas (Producer)..... Dowson and Larter
- Gas (Producer)..... A. Humboldt Sexton
- Gas (Producer), Practice, American..... Nisbet Latta
- Gas (Producer) Fired Furnaces..... Oskar Nagel
- Gas (Producer), Essential Factors in the Formation of..... Clement, Adams and Haskins
- Gas (Producer) and Gas Producers..... Samuel S. Wyer
- Gas-Producer, Internal Combustion Engines and..... Askling and Roesler
- Gas (Producer) Investigations..... Fernald and Smith

- Gas Producer, The Modern Gas Engine and the.....A. M. Levin  
 Gas (Producer) Power Plant Development in Europe.....  
 .....R. H. Fernald  
 Gas (Producer) Power Plant in the United States, The Com-  
 mercial Trend of the.....R. H. Fernald  
 Gas Producers for Power Purposes.....W. A. Tookey  
 Gas (Producer) Power Plant in the United States, Recent De-  
 velopment of.....Robert Heywood Fernald  
 Gas Producer Practice, Modern Power.....Horace Allen  
 Gas Producer, The Slagging Type of.....Carl D. Smith  
 Gas Producer (Status of the) and of the Internal-Combustion  
 Engine in the Utilization of Fuels.....R. H. Fernald  
 Gas-Producer, Tests of a Suction.....Garland and Kratz  
 Gas Producers, Gas and Oil Engines and.....Marks and Wyer  
 Gas (Production of) Coke, Tar and Ammonia at Gas Works  
 and in Retort Coke Ovens.....Edward W. Parker  
 Gas, Public Lighting by Electricity and.....W. J. Dibdin  
 Gas Purification, Analysis and Valuation of Oxide of Iron and  
 Lime for Purposes of.....H. L. Greville  
 Gas Purification, New Facts about (Ferric Oxide).....  
 .....T. H. Fulweiler and A. T. Kunberger  
 Gas (Purification of), from Sulphur Compounds. Report Before  
 Committee of House of Commons. 1877.  
 Gas Rate, 1906. Testimony taken by Board of Supervisors.  
 Gas Rates (Reasonable) and Their Determination.....C. L. Cory  
 Gas—Report of the Evidence and Other Matter Presented Before  
 Joint Committee of the City Council of Boston. 1867.  
 Gas Scheme—A Memorandum on the “Mond”.....F. N. Keen  
 Gas Service, Rates for.....C. L. Cory  
 Gas, State and Municipal Regulations for the Quality, Distribu-  
 tion, Testing of Illuminating, Circular No. 32, Bureau of  
 Standards.....S. W. Stratton  
 Gas Street Lighting.....F. Victor Westermaier  
 Gas (The Subject of), Report of the Evidence and Other Matter  
 Presented Before a Joint Committee of the City Council of  
 Boston Upon, 1867.  
 Gas, Suction.....Oswald H. Haenssger  
 Gas Superintendent’s Pocket Companion for Year 1870.....  
 .....Harris and Brother  
 Gas Supply—International Library of Technology.  
 Gas Supply, Self-Instruction for Students in (Advanced)...Mentor  
 Gas Supply, Self-Instruction for Students in (Elementary)..Mentor  
 Gas Supply, Self-Instruction for Students in (Constructional)..  
 .....Mentor  
 Gas Supply (Simple Guide for Gas Fitter and Gas Consumer)  
 .....W. H. Y. Webber  
 Gas Supply in Theory and Practice.....W. H. Y. Webber  
 Gas Testing—Standard Methods of.....S. W. Stratton  
 Gas—Theory of Technical Thermodynamics. Vol. I.....  
 .....Dr. Gustar Zeuner  
 Gas (Town) and Its Uses.....W. H. Y. Webber  
 Gas Transmission, Some Economics in High Pressure.....  
 .....Edward A. Rix  
 Gas, A Treatise on Coal. London, 1827.....William Richards  
 Gas and Gas Works.....Hughes and O’Connor  
 Gas (The) Turbine. German and English.....Hans Holzwarth  
 Gas (The) Turbine.....H. H. Suplee  
 Gas (The) Turbine.....Norman Davey  
 Gas Undertakings—Analysis in England, Scotland and Ireland.  
 .....John W. Field  
 Gas Undertakings, Birmingham Corporation.....Charles Hunt

- Gas in the United States—Municipal Ownership..Edward W. Bemis  
 Gas (The Valuation of), Electricity and Water Works for As-  
 sessment.....T. and W. Newbigging  
 Gas and Ventilation, Practical Treatise on.....E. E. Perkins  
 Gas (Waste of) in the Mid-Continent Fields..Raymond S. Blatchley  
 Gas (Water), Report of Hearing Before Committee on Manufac-  
 ture of. 1884.  
 Gas (Water), Report of Hearing Before Committee on Manufac-  
 ture of. 1886. Massachusetts.  
 Gas and Water, On the Law Relating to.....John Shiress Will  
 Gas (Water) Before the Massachusetts Legislature, 1884. Testi-  
 mony and Arguments in Favor of.  
 Gas Wells (Oil and) Through Workable Coal Beds.....  
 .....Rice, Hood and others  
 Gas, Why Brookline Streets Should be Lighted with. March,  
 1881.....Brookline Gas Light Company  
 Gaswerk der Stadt Zurich. 1910.  
 Gas World Year Book. 1911.  
 Gas World Year Book. 1914.  
 Gas World Year Book. 1915.  
 Gas World Year Book. 1916.  
 Gas World—  
     April-June 1906.                      January-June, 1911.  
     July-December, 1906.                July-December, 1911.  
     January-June, 1907.                 January-June, 1912.  
     July-December, 1907.                July-December, 1912.  
     January-June, 1908.                 January-June, 1913.  
     July-December, 1908.                July-December, 1913.  
     January-June, 1909.                 January-June, 1914.  
     July-December, 1909.                July-December, 1914.  
     January-June, 1910.                 January-June, 1915.  
     July-December, 1910.                July-December, 1915.  
 Gas Works, British Progress in, Plant and Machinery.....  
 .....C. E. Brackenbury  
 Gas Works Chemistry.....Dr. H. B. Harrop  
 Gas Works, The Construction of.....Walter Ralph Herring  
 Gas Works, Electric Power for.....H. Staniforth  
 Gas Works, Instructions for Management of..W. C. Holmes & Co.  
 Gas Works, Edinburgh—The Granton. Their Design, Construc-  
 tion and Equipment.....W. R. Herring  
 Gas Works—Modern Methods of Saving Labor..C. E. Brackenbury  
 Gas Works (Small), Construction and Management of.....  
 .....N. C. Humphreys  
 Gas Works—Their Arrangement, Construction, Plant and Ma-  
 chinery.....Frederick Colyer  
 Gas Works, Plant and Machinery—British Progress. National  
 Engineering and Trade Lectures.....C. E. Brackenbury  
 Gas Works—Reports 1836 to 1845. Philadelphia.  
 Gauge and Valve Manufacturing Company, The American Steam  
 (Catalogue of). 1908.  
 Gaz Pauvres—Production et Utilisation des.....I. Marchi  
 Gearing, Spiral and Worm.....  
 .....Industrial Press-Machinery Publishing Co.  
 Gearing, Spur and Bevel.....  
 .....Industrial Press-Machinery Publishing Co.  
 Gears, Valve.....Charles H. Fessenden  
 Gears (Valve) Valves and. Vol. II....Franklin DeRonde Furman  
 General Inorganic Chemistry.....Alexander Smith  
 General Lectures on Electrical Engineering.....  
 .....Charles Proteus Steinmetz  
 General Metallurgy.....H. C. Hofman

- Geological Survey of Ohio. Fourth Series. Bulletin No. 1,  
1903. Oil and Gas.....J. A. Bownocker  
Geology (Oil) Practical.....Dorsey Hager  
Glycerine, Its Production, Uses and Examination for Chemists,  
Perfumers, Soapmakers, Pharmacists and Explosives Tech-  
nologists.....S. W. Koppe  
Gold and Silver (Production of) in the United States—  
1893, Vol. I.  
1894, Vol. II. Report of Director of the Mint.  
Gold, Silver, Copper, Lead and Zinc in 1910. Extract from Mineral  
Resources of the United States. Calendar Year.  
Government Coal Purchases under Specifications with Analyses  
for the Fiscal Year, 1909-1910.....George S. Pope  
Granton (The) Gas Works, Edinburgh. Their Design, Con-  
struction and Equipment.....W. R. Herriag  
Guide, Plumbers' and Gas Fitters'.....J. D. Galloway  
Guldner's Internal Combustion Engines.....  
.....Translated by H. Diederichs  
Gums (Solvents, Oils) Waxes and Allied Substances.....  
.....Frederic S. Hyde

## H

- Handbook (American) for Electrical Engineers.....Harold Pender  
Handbook, American Electrician's.....Terrill Croft  
Handbook, The American Gas Engineer and Superintendent's..  
.....William Mooney  
Handbook of American Gas Engineering Practice..M. Nesbit Latta  
Handbook American Meter Company—  
1873. 1874. 1879. 1881.  
Handbook, Architects'.....Kidder  
Handbook of Chemistry and Physics.....Chemical Rubber Co.  
Handbook of Construction Plant, Its Cost and Efficiency.....  
.....Richard T. Dana  
Handbook of Cost Data.....Halbert P. Gillette  
Handbook, Electrical Solicitors'.....  
.....National Electric Light Association  
Handbook, Electric Railway.....Albert S. Richey  
Handbook of Engine and Boiler Trials and of the Indicator and  
Prony Brake.....R. H. Thurston  
Handbook, The Gas Engine.....E. W. Roberts  
Handbook on the Gas Engine.....Herman Haeder  
Handbook, Gas Engineer's Laboratory.....John Hornby  
Handbook for Gas Engineers and Managers....Thos. Newbigging  
7th edition. 1904.  
Ditto 8th edition.  
Handbook of Machine Shop Management...John H. Van Deventer  
Handbook, Machinery.....Industrial Press  
Handbook of Natural Gas.....Henry P. Westcott  
Handbook (A) of Practical Gasfitting.....Walter Grafton  
Handbook (Standard) for Electrical Engineers.....  
.....McGraw Publishing Co.  
Handbook (Salesman's) Complete..National Commercial Gas Assn.  
Handbook, Structural Engineers'.....Milo S. Ketchum  
Handbook of Tables and Formulas for Engineers.....  
.....Clarence A. Pierce and Walter B. Carver



- Handbook of Thermodynamic Tables and Diagrams..... Edward Charles Lucke
- Handbook, Van Nostrand's Chemical Annual, 1913. Third Is-  
sue..... John C. Olsen
- Hand-Firing Soft Coal Under Power Plant Boilers.. H. Kreisinger
- Handy Book, Mechanical and Refrigerating Engineers'..... Otto Luhr
- Haswell's Engineer's Pocketbook.
- Health, Ventilation in Its Relation to..... William G. Snow
- Hearings Board of Aldermen of Boston on Petition of the Citizens'  
Gas Light Company, November 9, 16, 30 and December 7, 1874.
- Hearings State Board of Health, Lunacy and Charity with Regard  
to Carbonic Oxide in Illuminating Gas.
- Heat (Elementary Treatise on) and Heat Engines.....  
..... W. C. Popplewell
- Heat, Energy and Fuels..... Hanns Juptner
- Heat Engineering..... Arthur M. Greene, Jr.
- Heat Engines..... Allen and Bursley
- Heat Engines, The Theory of..... William Inchley
- Heat (The Flow of) Through Furnace Walls.. Ray and Kreisinger
- Heat—A Manual for Technical and Industrial Students.....  
..... J. A. Randall
- Heat Power Engineering, Elements of..... Hirshfeld and Barnard
- Heat and the Principles of Thermodynamics, New and Revised  
Edition..... Charles H. Draper
- Heat Transmission, Study in..... Clement and Garland
- Heat (The Transmission of) Into Steam Boilers.....  
..... Kreisinger and Ray
- Heat—Treatment of Steel..... Industrial Press Publishing Co.
- Heating, Baldwin on..... William J. Baldwin
- Heating (Cooking) and Cleaning..... Maud Lancaster
- Heating (Deterioration and Spontaneous) of Coal in Storage..  
..... Porter and Ovitz
- Heating (Elements of) and Ventilation..... Arthur M. Greene, Jr.
- Heating a House, Saving Fuel in.....  
..... L. P. Breckenridge and S. B. Flagg
- Heating, Evolution of Gas Lighting and..... Centenary of Gas
- Heating Plants (Combined Power and). Part III—Power,  
Heating and Ventilation..... C. L. Hubbard
- Heating, Ventilation and..... John S. Billings
- Heating and Ventilation Plants. (Part II.)... Charles L. Hubbard
- Heavy Oil as Fuel for Internal-Combustion Engines.....  
..... Irving C. Allen
- Henley's Twentieth Century Book of Recipes, Formulas and Pro-  
cesses.
- Hetch Hetchy..... Report to San Francisco by J. E. Raker
- Heusler Alloys, Magnetic Properties of..... Edward B. Stephenson
- High Efficiency Electrical Illuminants and Illumination  
..... Rollin W. Hutchinson, Jr.
- High Pressure Coverings, Nonpareil.... Armstrong Cork Company
- High Pressure Gas Transmission, Some Economics in.....  
..... Edward A. Rix
- High Pressure Water System, Report of San Francisco, 1908.  
..... Marsden Manson
- High Steam Pressures in Locomotive Service..... W. F. M. Goss
- High Temperature Measurements..... H. LeChatelier
- High Temperature Measurements (Practical Treatise on)—Py-  
rometry..... Chas. R. Darling
- High Tension Power Transmission by American Institute of Elec-  
trical Engineers—  
Vol. I.  
Vol. II.



- High Tension Underground Electric Cables.....Henry Floy  
Historical (An) Sketch of the Origin, Progress and Present  
State of Gas Lighting. London, 1827.....William Matthews  
Historical and Descriptive Magazines of Pacific Gas & Electric  
Company.  
History (A) of Chemistry.....J. Campbell Brown  
History of the Collective Gas Exhibit of the International Gas Con-  
gress Panama-Pacific International Exposition. Feb. 20, 1915-  
Dec. 4, 1915.  
History of Gas Lighting. 1827.....W. Matthews  
History (A) of the Introduction of Gas Lighting. London,  
1907.....Chas. Hunt  
History of Petroleum, Biographical Sketches and.....J. T. Henry  
History and Romance of the Petroleum Industry. Vol. I.....  
.....J. T. Henry  
Hoists, Derricks and Cranes (Machine Design).....H. D. Hess  
Holders (Gas) With and Without Guide Framing.....  
.....Pease and Cripps  
Holder (Gas) and Tank Construction.....F. S. Cripps  
House Piping, Specifications for.....United Improvement Co.  
Hydraulic Machinery, Modern Pumping and.....Edward Butler  
Hydraulic Mortars, Construction of.....Henri LeChatelier  
Hydraulics, Pumps and.....William Rogers  
Part I.  
Part II.  
Hydrocarbon Gas Process (Gwynne-Harris Patents). Report  
of Working Results.....Silliman and Wurtz  
Hydrocarbon Oils, Examination of.....Prof. Dr. D. Holds  
Hydrocarbon Oils, Manufacture of Protogenic....Thomas Antisell  
Hydro-Electric (The) Power Commission of Ontario. An Ex-  
pensive Experiment.....R. P. Bolton  
Hydro-electric Practice.....H. A. E. C. Von Schon  
Hydro-electric Developments and Engineering.....Frank Koester  
Hydrogen Sulphide in Gas. Lead Acetate Test for. Tech-  
nologic Paper, Bureau of Statistics.....  
.....R. S. McBride and J. D. Edwards  
Hydrogenation (The) of Oils, Catalyzers and Catalysis.....  
.....Carleton Ellis  
Hygienic Values of Gas and Electric Lighting. Review of the  
Report of Dr. S. Rideal on.....A. H. Strecker  
Hygienic Values of Gas and Electric Lighting. Journal of the  
Royal Sanitary Institute.....Samuel Rideal  
Hygienic Value of Gas Lighting.....R. H. Pierce

I

- Ignition of Gas by Miniature Electric Lamps with Tungsten  
Filaments.....H. H. Clark  
Ignition of Gas by Standard Incandescent Lamps.....H. H. Clark  
Illinois Gas Association Proceedings—  
1907.  
1908.  
1909.  
Illinois Sands—Mortar Making Qualities of.....C. C. Wiley  
Illuminants and Illumination, High Efficiency Electrical.....  
.....Rollin W. Hutchinson, Jr.

- Illuminants (Modern) and Illuminating Engineering..... Leon Gaster and J. S. Dow
- Illuminating Engineering, Electrical..... William Edward Barrows
- Illuminating Engineering Lectures on. Delivered at Johns Hopkins University. Vol. I and Vol. II.
- Illuminating Gas, Coals Available for the Manufacture of..... White and Barker
- Illuminating Gas, The Compression and Transmission of..... Edward A. Rix
- Illuminating Gas, Determination of Ammonia in. Technologic Papers of the Bureau of Standards, No. 34, by J. W. Edwards..... S. W. Stratton, Director
- Illuminating Gas, State and Municipal Regulations for the Quality, Distribution and Testing of. Circular of the Bureau of Standard, No. 32..... S. W. Stratton
- Illuminating Gases, Calorimetry of Producer and..... John F. Simmance
- Illuminating Materials, An Account of Investigations Relative to..... Joseph Henry
- Illumination, The Art of..... Louis Bell
- Illumination, Gas Devices for.
- Illumination, Its Distribution and Measurement..... Alexander Pelham Trotter
- Illumination, Industrial Plant..... G. C. Keech
- Illumination, Light, Photometry and..... William Edward Barrows
- Illumination (Light, Radiation and), Translated from the German of Paul Hogner..... Justus Eck
- Illumination, Radiation, Light and..... C. P. Steinmetz
- Illumination of People's Gas Building, Chicago..... Chas. A. Luther
- Illumination and Photometry..... W. E. Wickenden
- Illumination, Practical..... Cravath and Lansingh
- Illumination—Tables for the Computation of..... William B. King
- Illustrated Map Fittings, etc. .... Shickle, Harrison & Howard Iron Co.
- Incandescent Gas Lighting. Welsbach Company.. M. G. Whitaker
- Index Annual, Engineering, 1913.
- Index Annual, The Engineering, 1915.
- Indian Basin, State Highway and Transactions of Commonwealth Club. Indian Baskets..... The American Collection of Prof. T. S. C. Lowe
- Indiana Gas Association—  
4th Annual Meeting, 1912.  
5th Annual Meeting, 1913.  
7th Annual Convention, 1915.
- Indicator, The Steam Engine..... R. F. Low
- Indicator, Twenty Years with the..... Thos. Pray, Jr.
- Indicators and Test Papers..... Alfred I. Cohn
- Industrial Applications, Electric Furnaces and Their..... J. Wright
- Industrial (Some) Applications of Oxygen..... L. T. Thorne
- Industrial Arts, A Popular Treatise on the Colloids in the..... Prof. Dr. Kurt Arndt
- Industrial Chemistry..... Henry K. Benson
- Industrial Chemistry, Outlines of..... Frank Hall Thorp
- Industrial Chemistry for the Student and Manufacturer..... Rogers and Aubert
- Industrial Gas Calorimetry..... C. W. Waidner and E. F. Mueller
- Industrial and Manufacturing Chemistry (Organic)..... Geoffrey Martin
- Industrial Fuel Ref. Books—Application of Gas to Dry Room Equipment. No. 1.

- Industrial Fuel Ref. Books—Application of Gas to Japanning and Lacquering. No. 2.
- Industrial Fuel Ref. Books—Application of Gas to Metal Coloring. No. 4.
- Industrial Fuel Ref. Books—Application of Gas to Soft Metal Melting.....National Com. Gas Assn.
- Industrial Organic Analysis.....Paul S. Arup
- Industrial Photometry with Special Application to Electric Lighting.....A. Palaz
- Industrial Plant Illumination.....G. C. Keech
- Industrial Poisoning from Fumes, Gases and Poisons of Manufacturing Processes.....Dr. J. Rambousek
- Industry (The Coke) of the United States as Related to the Foundry.....Richard Moldenke
- Industry, Electric Furnaces in the Iron and Steel.....Dipl. Ing. W. Rodenhauser
- Industry (Investigating an). A Scientific Diagnosis of the Disease of Management.....William Kent
- Industry (Nitro Cellulose).....Edward Chauncey Worden
- Vol. I.
- Vol. II.
- Influence of Temperature on the Strength of Concrete.....A. B. McDaniel
- Influence (The) of Inert Gases on Inflammable Gaseous Mixtures.....J. K. Clement
- Information for the Natural Gas Consumers of Kansas City, Missouri.
- Injector, Practice and Theory of the.....S. Kneass
- Inorganic Chemistry, General.....Alexander Smith
- Inspector of Gas, Annual Report. City of Minneapolis, Year Ending December 31, 1912.....A. D. Meeds
- Installation and Troubles, Gas Engine.....J. B. Rathbun
- Installing Efficiency Methods.....C. E. Knoeppel
- Institute, Journal of Franklin—
- |               |                  |
|---------------|------------------|
| July, 1912.   | September, 1912. |
| August, 1912. |                  |
- Institute, Journal of Franklin—
- |                 |                 |
|-----------------|-----------------|
| July, 1827.     | December, 1827. |
| October, 1827.  | June, 1831.     |
| November, 1827. |                 |
- Institution (The) of Gas Engineers Transactions. 1908.
- Instruction (Self) in Gas Manufacture.....Mentor
- Instruction for the Management of Gas Works.....W. C. Holmes & Co.
- Instructions to Gas Appliance Salesmen.....J. E. Bullard
- Instructions for Gas Distribution Employes.....J. M. Robb
- Instructions on Welding and Cutting of Metals, Oxyacetylene Process.....Vulcan Process Co.
- Insulation (Molded Electrical) and Plastics.....Emile Hemming
- Internal Combustion Engines, Theory and Design. A Text-book on Gas and Oil Engines for Engineers and Students in Engineering.....Robert L. Streeter
- Internal Combustion Engines.....John K. Barton
- Internal Combustion Engines.....Carpenter and Diederichs
- Internal Combustion Engines.....Wm. M. Hogle
- Internal Combustion Engines.....J. W. Kershaw
- Internal (The) Combustion Engine.....H. E. Wimperis
- Internal Combustion Engines, The Construction and Working of.....R. E. Mathot
- Internal Combustion Engines, Design and Construction of....Hugo Guldner

- Internal Combustion Engine, Evolution of the.....Edward Butler  
 Internal Combustion Engines and Gas Producers.....  
 .....Askling and Roesler  
 Internal Combustion Engines, Gasoline and Alcohol Tests on.  
 .....Robert M. Strong  
 International Library of Technology—Gas Supply, Plumbing Materials, Plumbing Work, Fixtures.  
 Introduction to the Study of Electrical Engineering.....  
 .....Henry H. Norris  
 Introduction to the Study of Fuel.....F. J. Brislee  
 Inventions (Discoveries and) of the 20th Century..Edward Cressy  
 Investigating an Industry, A Scientific Diagnosis of the Disease of Management.....William Kent  
 Investigation of Built-up Columns under Load...Talbot and Moore  
 Investigations and Experimental Researches of the Construction of My Large Oil Engine (Diesel Engine).....H. Junkers  
 Investigations (Producer Gas).....Fernald and Smith  
 Investigation (An) of the Strength of Rolled Zinc.....  
 .....Herbert F. Moore  
 Iowa District Gas Association. Vol. I. 1915-6-7-8-9-10.  
 Iowa District Gas Association. 8th Annual Meeting, 1912.  
 Iowa District Gas Association. 10th Annual Meeting, 1914.  
 Iron (The A, B, C of) and Steel.....A. O. Backert  
 Iron, Cast.....William J. Keep  
 Iron (The Cementation of) and Steel.....Dr. Frederic Giolitti  
 Iron (Electric Furnaces for Making) and Steel.....  
 .....Dorsey A. Lyon and Robert M. Keeney  
 Iron Ore and Coal Beds, Coke Manufacture. Geological Survey of Pennsylvania. 1875. Special Report.  
 Iron Ores, Their Occurrence, Valuation and Control.....  
 .....Edwin C. Eckel  
 Iron (Oxide of), Analysis and Valuation of Lime and, for Purposes of Gas Purification.....H. Leicester Greville  
 Iron (Permanent Protection of) and Steel.....Maximilian Toch  
 Iron and Steel, The A. B. C. of.....A. O. Backert  
 Iron and Steel Industry, Electric Furnaces in the.....  
 .....Rodenhauser and Schoenawa  
 Iron and Steel, The Sampling and Chemical Analysis of.....  
 .....O. Bauer and E. Deiss  
 Iron and Steel (A Treatise on). Part II.—Materials and Engineering.....R. H. Thurston  
 Irrigation Development—France, Italy and Spain. (Report of)  
 .....Wm. H. Hall  
 Irrigation, The Use of Water in.....Elwood Mead

## J

- Japanning and Lacquering (Application of Gas to).....  
 .....National Com. Gas Association  
 Jig Design, Drilling Practice and..Erik Oberg and Franklin D. Jones  
 Joint Report on Character and Quality of Gas Furnished to the City of San Francisco, with Special Reference to Complaints Against High Bills during December, 1908 and January and February, 1909.....A. M. Hunt and C. L. Long  
 Joints, Tests of Nickel-steel Riveted.....Talbot and Moore  
 Journal of the Association of Engineering Societies, 1911.  
 Journal of Electricity, Power and Gas—

- |                      |                      |
|----------------------|----------------------|
| May-December, 1906.  | July-December, 1911. |
| January-June, 1907.  | January-June, 1912.  |
| July-December, 1907. | July-December, 1912. |
| January-June, 1908.  | January-June, 1913.  |
| July-December, 1908. | July-December, 1913. |
| January-June, 1909.  | January-June, 1914.  |
| July-December, 1909. | July-December, 1914. |
| January-June, 1910.  | January-June, 1915.  |
| July-December, 1910. | July-December, 1915. |
| January-June, 1911.  |                      |
- Journal of Franklin Institute, American Mechanics, Magazine—
- |                 |                  |
|-----------------|------------------|
| July, 1827.     | May, 1910.       |
| October, 1827.  | July, 1912.      |
| November, 1827. | August, 1912.    |
| December, 1827. | September, 1912. |
| June, 1831.     |                  |
- Journal of Gas Lighting and Water Supply, London—
- |                         |                      |
|-------------------------|----------------------|
| January-December, 1873. | July-December, 1884. |
| January-June, 1874.     | April-June, 1906.    |
| July-December, 1874.    | July-December, 1906. |
| January-June, 1875.     | January-June, 1907.  |
| July-December, 1875.    | July-December, 1907. |
| January-June, 1876.     | January-June, 1908.  |
| July-December, 1876.    | July-December, 1908. |
| January-June, 1877.     | January-June, 1909.  |
| July-December, 1877.    | July-December, 1909. |
| January-June, 1878.     | January-June, 1910.  |
| July-December, 1878.    | July-December, 1910. |
| January-June, 1879.     | January-June, 1911.  |
| July-December, 1879.    | July-December, 1911. |
| January-June, 1880.     | January-June, 1912.  |
| July-December, 1880.    | July-December, 1912. |
| January-June, 1881.     | January-June, 1913.  |
| July-December, 1881.    | July-December, 1913. |
| January-June, 1882.     | January-June, 1914.  |
| July-December, 1882.    | July-December, 1914. |
| January-June, 1883.     | January-June, 1915.  |
| July-December, 1883.    | July-December, 1915. |
| January-June, 1884.     |                      |
- Journal, Proceedings of American Society Mechanical Engineers—
- |                |              |
|----------------|--------------|
| October, 1910. | April, 1913. |
| June, 1912.    |              |
- Journal of Proceedings, June 1914, Board of Supervisors, S. F.
- Journal of Gas Lighting, London—
- |                      |                      |
|----------------------|----------------------|
| January-June, 1910.  | January-June, 1912.  |
| July-December, 1910. | July-December, 1912. |
| January-June, 1911.  | January-June, 1913.  |
| July-December, 1911. |                      |
- Journal of the Royal Sanitary Institute.....Samuel Rideal

## K

- Kalender fur das Gas und Wasserfach. 1908.....G. F. Schaars
- Kent's Mechanical Engineer's Pocketbook.
- Keyways (The Effect of) on the Strength of Shafts.....
- .....Herbert C. Moore
- King's Treatise on Coal Gas. (2 sets)—
- Vol. I. Vol. II. Vol. III.



## L

- Laboratory Handbook, Gas Engineer's.....John Hornby  
 Laboratory (Mechanical) Methods.....Julian C. Smallwood  
 Laboratory Study of Inflammability of Coal Dust..J. C. W. Frazer  
 Labor, Modern Methods of Saving, in Gas Works.....  
 .....C. E. Brackenbury  
 Labor Statistics (Bureau of) of Cal. 1907-1908. 13th Biennial  
 Report.....J. D. McKenzie  
 Labor Statistics (Bureau of) of Cal. 1909-1910. 14th Biennial  
 Report.....J. D. McKenzie  
 Labor Statistics (Bureau of) of Cal. 1911-1912. 15th Biennial  
 Report.....J. P. Laughlin  
 Lamp Department, Annual Report. Boston, 1906.....  
 .....Dennis J. Hern, Supt.  
 Lamps (Ignition of Gas by Miniature Electric) with Tungsten  
 Filaments.....H. H. Clark  
 Lamps, Tests of Tungsten.....Armine and Guell  
 Lamps, Ignition of Gas by Standard.....H. H. Clark  
 Latest (The) Development in Aerial Navigation.....  
 .....Prof. T. S. C. Lowe  
 Law (The) Relating to Oil and Gas.....W. W. Thornton  
 Laws Relating to Gas and Water.....Michall and Will  
 Laying (Gas Mains)—Some Notes on Modern....W. H. Y. Webber  
 Law Regulating 'Erection of Electric Poles, Wires, Cables, etc.  
 "Laying Out" for Boiler Makers.....The Boiler Maker  
 Lead Acetate Test for Hydrogen Sulphide in Gas. Technologic  
 Papers. Bureau of Standards, No. 41.....  
 .....R. S. McBride and J. D. Edwards  
 Lead (Gold, Silver, Copper) and Zinc in 1910. Extract from Min-  
 eral Resources of the United States. Calendar Year 1910.  
 Lead Poisoning in the Smelting and Refining of Lead. (Bureau  
 of Labor Statistics).....Alice Hamilton  
 Lectures at Centenary Celebration of the First Commercial Gas  
 Company.  
 Lectures on Illuminating Engineering. Delivered at Johns Hop-  
 kins University. Vol. I and Vol. II.  
 Lectures (National Engineering and Trade)....C. E. Brackenbury  
 Legal Phases of Central Station Rate Making for Electric  
 Supply.....James V. Oxtoby  
 Letter of Petrus Peregrinus on the Magnet, A. D. 1269. Translated  
 by Brother Arnold, M. Sc., New York, 1904.  
 Libraries (California), News Notes of.  
 Light (changed to Gas Industry)—  
     May-December, 1906.      January-December, 1909.  
     January-December, 1907.      January-December, 1910.  
     January-December, 1908.  
 Light, A Guide to the Study and Measurement of—Practical  
 Photometry.....W. J. Didbin  
 Light, The Manufacture of.....Silvanus P. Thompson  
 Light—Photometry and Illumination.....William Edward Barrows  
 Light Production, Studies in.....R. A. Houston  
 Light, Radiation and Illumination.....C. P. Steinmetz  
 Light, Radiation and Illumination. Translated from the Ger-  
 man of Paul Hogner.....Justus Eck  
 Light, A Treatise on.....R. A. Houston  
 Lighting—Chemical Technology. Vol. II.....Groves and Thorp  
 Lighting Country Homes by Private Electric Plants.....  
 .....T. H. Armine  
 Lighting, Display Window and the City Beautiful.

|  |  |
|--|--|
| Lighting, The Earliest Works on Gas.....   | F. Southwell Cripps                    |
| Lighting, Electric.....  | William Suddards Franklin              |
| Lighting Factory.....  | Clarence E. Clewell                    |
| Lighting (Gas), American Practice of.....  | Wm. Paul Gerhard                       |
| Lighting, Gas Arc. Photos of by Welsbach Street Lighting Co.                                     |  |
| Lighting (Gas) and Heating, Evolution of.....  | Centenary of Gas                       |
| Lighting (Gas and Electric), The Relative Hygienic Values of.                                    |  |
| Journal of the Royal Sanitary Institute.....   | Samuel Rideal                          |
| Lighting (Gas Street).....   | F. Victor Westermaier                  |
| Lighting, A History of Gas. 1827.....  | William Matthews                       |
| Lighting, A History of the Introduction of Gas. London, 1907.                                    |  |
| .....  | Chas. Hunt                             |
| Lighting, Incandescent Gas.....  | M. G. Whitaker                         |
| Lighting (Public) by Gas and Electricity.....  | W. J. Diddin                           |
| Lighting Rates, 1898-1907. Municipal Report of San Francisco.                                    |  |
| Lighting, The Relative Hygienic Values of Gas and Electric..                                     |  |
| .....  | S. Rideal                              |
| Lighting Specifications, Electric.....   | E. A. Merrill                          |
| Lighting, Street.....  | Bryant and Hake                        |
| Lighting Streets and Public Buildings. Excerpts from Municipal Reports. S. F. Gas & Electric Co. |  |
| Lighting (Window) Display.....   | F. Laurent Godinez                     |
| Lignite (Briquetting Tests of), with a Chapter of Sulphite-Pitch Binder.....                     | Charles L. Wright                      |
| Lignite (North Dakota) as a Fuel for Power Plant Boilers....                                     |  |
| .....  | Randall and Kreisinger                 |
| Limes and Plasters, Cements.....   | Edwin C. Eckel                         |
| Link Motion.....   | Fred H. Colvin                         |
| Liquefaction of Gases, Liquid Air and the.....   | T. O'Connor Sloane                     |
| Liquefied Products from Natural Gas, Their Properties and Uses.....                              | Allen and Burrell                      |
| Liquid Air Plant—Tests of.....   | C. S. Hudson and C. M. Garland         |
| Liquid Air and the Liquefaction of Gases....   | T. O'Connor Sloane                     |
| Liquid Fuel, The Science of Burning.....   | William Newton Best                    |
| Liquid Fuel (Solid and Gaseous).....   | J. S. S. Brame                         |
| Liquid (Fuels) Gaseous and Solid...J. H. Coste and E. R. Andrews                                 |  |
| Liquid and Gaseous Fuels.....  | Vivian B. Lewes                        |
| Liquid Steel, Its Manufacture and Cost.....  |  |
| .....  | D. Carnegie, assisted by S. C. Gladwyn |
| Liquids (The Transportation of), Gases and Solids....  | Oskar Nagel                            |
| Lithology of Gas Coals, Notes on the.....  | James Paterson                         |
| Locomotive Practice, The Utilization of Fuel in....  | W. F. M. Goss                          |
| Locomotives, Comparative Tests of Run-of-Mine and Briquetted Coal on.....                        | W. F. M. Goss                          |
| Locomotive Service, High Steam Pressure in.....  | W. F. M. Goss                          |
| Locomotive Water Columns, Resistance to Flow Through....   |  |
| .....  | Talbot and Enger                       |
| Long Distance Electric Power Transmission.....   |  |
| .....  | Rollin W. Hutchinson                   |
| Losses (Preventing) in Factory Power Plants.....   |  |
| .....  | David Moffat Myers                     |
| Lubricating Oils, Examination of.....  | Thos. B. Stillman                      |

## M

Machine Design, Elements of. Part I.—General Principles, Fastening and Transmissive Machinery.. W. Cawthorne Unwin

- Machine Design, Elements of. Part II.—Chiefly on Engine  
Details.....W. Cawthorne Unwin
- Machine Design—Hoists, Derricks and Cranes.....H. D. Hess
- Machine Design, Mechanical Drawing and Elementary.....  
.....John S. and David Reid
- Machinery, Alternating Currents and Alternating Current.....  
.....D. C. and J. P. Jackson
- Machinery Handbook.....Industrial Press
- Machinery (Hydraulic), Modern Pumping and.....Edward Butler
- Machinery and Mill Work—A Treatise on Friction and Lost  
Work.....Robt. H. Thurston
- Machinery, Pumping.....Arthur M. Greene, Jr.
- Machine Shop Management, Handbook of...John H. VanDeventer
- Magazine, Pacific Gas & Electric—  
Vol. I. June, 1909-1910.  
Vol. II. June, 1910-May, 1911.  
Vol. III. May, 1911-May, 1912.  
Vol. IV. May, 1912-May, 1913.  
Vol. V. May, 1913-May, 1914.  
Vol. VI. May, 1914-May, 1915.
- Magnet, Letters of Petrus Peregrinus on the. A. D. 1269. Trans-  
lated by Brother Arnold, M. Sc., New York, 1904.
- Magnetic Properties of Heusler Alloys.....Edward B. Stephenson
- Mains (Steel) for Gas Distribution.....Walter Hole
- Making (The) of Rates and the "Additional Business" System  
of Costs.....W. H. Gardiner, Jr.
- Man, The Efficient.....Thomas D. West
- Management, Gas and Oil Engine.....M. Powis Bale
- Management (Machine Shop) Handbook of..John H. VanDeventer
- Management, The Science and Practice of....A. Hamilton Church
- Management, Scientific.....Clarence B. Thompson
- Management, Principles of Scientific.....F. W. Taylor
- Manual, Audel's Gas Engine. A Practical Treatise, with Illustra-  
tions and Diagrams.
- Manual of Chemical Technology.....Rudolf Von Wagner
- Manual of City Councils (Philadelphia) for 1896-1897.
- Manual, Gas Analyst's.....Jacques Abady
- Manual of the High-Speed Steam Engines.....K. H. Pratt
- Manual (Motor), Dyke's.....A. L. Dyke
- Manual of Qualitative Chemical Analysis.....  
.....Dr. C. Remigius Fresenius
- Manual of Rules, Tables and Data for Mechanical Engineers..  
.....Daniel Kinnear Clark
- Manual (A) of Steam Boilers. Their Design, Construction and  
Operation.....Robt. H. Thurston
- Manual (A) of the Steam Engine. Part I.—Structure and  
Theory.....R. H. Thurston
- Manual (A) of the Steam Engine. Part II.—Design, Construc-  
tion and Operation.....R. H. Thurston
- Manual (A) for Steel Users, Steel.....William Metcalf
- Manual, Tables from Thurston's Steam Engine....R. H. Thurston
- Manufacture, The Chemistry of Gas.....W. J. A. Butterfield
- Manufacture, The Chemistry of Gas.....H. M. Royle
- Manufacture, Coal Gas. Lecture delivered at the University of  
California.....E. C. Jones
- Manufacture of Coke (Report on).....Jos. D. Weeks
- Manufacture and Distribution of Coal Gas. A Practical Treatise  
on the. 1841. 1st edition, with list of subscribers.....  
.....Samuel Clegg, Jr.
- Manufacture and Distribution of Coal Gas. A Practical Treatise  
on the. 1868. London. 5th edition.....Samuel Clegg, Jr.

|  |                                     |
|--|-------------------------------------|
| Manufacture, Gas.....  | J. Hornby                           |
| Manufacture of Gas from Tar, Oil and Other Liquid Hydrocarbons.....  | Wm. Burns                           |
| Manufacture (Gas), Self-Instruction in—Advanced.....   | Mentor                              |
| Manufacture (Gas), Self-Instruction in—Elementary.....   | Mentor                              |
| Manufacture (Gas), Self-Instruction in.. Constructional....  | Mentor                              |
| Manufacture of Illuminating Gas, Coals Available for the....   | White and Barker                    |
| Manufacture (The) of Light.....  | Silvanus P. Thompson                |
| Manufacture, Modern Appliances in Gas....  | Fletcher W. Stevenson               |
| Manufacture (The) of Oil Gas. Lecture delivered at the University of California.....   | E. C. Jones                         |
| Manufacture, Properties, Test and History (Explosives).....  | Arthur Marshall                     |
| Manufacture (The) of Protogenic or Hydrocarbon Oils and Other Bituminous Substances Capable of Supplying Burning Fluids. New York, 1859..... | Thomas Antisell, M. D.              |
| Manufacture (The) of Water Gas. Lecture delivered at the University of California.....   | E. C. Jones                         |
| Manufacturing Chemistry, Industrial and.....   | Geoffrey Martin                     |
| Manufacturing Coal Gas (Description of the Process of).....  | Frederick Accum                     |
| Manufacturing (The) of Producer Gas from City Garbage by Universal Sanitary Reduction and Power Co.  |                                     |
| Map, The Cahill World.....   | B. J. S. Cahill                     |
| Map Fittings (Illustrated)...  | Shickle, Harrison & Howard Iron Co. |
| Marine (Stationary) Engines, Diesel.....   | A. H. Goldingham                    |
| Masonry Construction, A Treatise on.....   | Ira O. Baker                        |
| Materials (The) of Construction.....   | J. B. Johnson                       |
| Materials of Engineering. Part I.—A Treatise on Non-Metallic.....  | R. H. Thurston                      |
| Materials of Engineering. Part II.—A Treatise on Iron and Steel.....   | R. H. Thurston                      |
| Materials of Engineering. Part III.—A Treatise on Brasses, Bronzes and Other Alloys.....   | R. H. Thurston                      |
| Materials, Fuel and Refractory.....  | A. Humboldt Sexton                  |
| Materials, Mechanics of.....   | Mansfield Merriman                  |
| Materials, Street Pavements and Paving.....  | Geo. W. Tillson                     |
| Measurement of Gas. Lecture delivered at University of California.....   | E. C. Jones                         |
| Measurement of Gases (The).....  | Carl C. Thomas                      |
| Measurement of Gases where Density Changes.....  | Henry P. Westcott                   |
| Measurements, High Temperature.....  | H. LeChatelier and G. K. Burgess    |
| Measurements for the Household. Circular of the Bureau of Standards.....   | S. W. Stratton                      |
| Measurement, Illumination, Its Distribution and.....   | Alexander Pelham Trotter            |
| Measuring Apparatus (Gas), Some Recent Developments in..   | Carl C. Thomas                      |
| Mechanics, Applied.....  | John Perry                          |
| Mechanics Applied to Engineering.....  | John Goodman                        |
| Mechanics of Materials.....  | Mansfield Merriman                  |
| Mechanics' Tables, Engineers' and.....   | A. Munzinger                        |
| Mechanical Draft.....  | B. F. Sturtevant Co.                |
| Mechanical Drawing and Elementary Machine Design.....  | John S. Reid                        |
| Mechanical (The) Engineering of Power Plants.....  | Frederic Remsen Hutton              |



- Mechanical Engineers (Condensed Catalogue of) American Society of Mechanical Engineers. 1914.
- Mechanical Engineers, Manual of Rules, Tables and Data for ..... Daniel Kinnear Clark
- Mechanical Engineer's Pocketbook..... Kent
- Mechanical Engineer's Reference Book..... Henry Harrison Suplee
- Mechanical Equipment, Condensed Catalogue of. Vol. IV. Oct., 1914..... American Society of Mechanical Engineers
- Mechanical Equipment of Federal Buildings.. Nelson S. Thompson
- Mechanical Laboratory Methods..... Julian C. Smallwood
- Mechanical Movements, Devices and Appliances.....
- ..... Gardner D. Hiscox
- Mechanical Properties of Wood..... Samuel J. Record
- Mechanical and Refrigerating Engineers' Handy Book.....
- ..... Otto Luhr
- Mechanical Stresses in Transmission Lines..... A. Guell
- Memorandum (A) on the Mond Gas Scheme..... F. N. Keen
- Metal Coloring (Application of Gas to).....
- ..... National Com. Gas Association
- Metallurgical Analysis, Methods in..... Charles H. White
- Metallurgical Calculations. (Part I)..... Joseph W. Richards
- Metallurgical Coke..... A. N. Belden
- Metallurgical Smoke..... Chas. H. Fulton
- Metallurgy (General)..... H. O. Hofman
- Metallurgy of Steel, The. Part I.—Metallurgy.. Harbord and Hall
- Metallurgy of Steel, The. Part II.—Mechanical.. Harbord and Hall
- Metals, Instructions on Welding and Cutting of, Oxy-Acetylene Process..... Vulcan Process Co.
- Metals, Press Working of..... Oberlin Smith
- Meters, Electricity..... Henry G. Solomon
- Meters (Gas), Practical Testing of Gas and..... C. H. Stone
- Meters and Meter Makers..... Donald McDonald
- Meters—Station..... D. McDonald
- Methods of Analyzing Coal and Coke..... Stanton and Fieldner
- Methods for the Determination of Water in Petroleum and Its Products..... Allen and Jacobs
- Methods of Determining the Sulphur Content of Fuels, Especially Petroleum Products..... J. W. Roberts and J. C. Allen
- Methods, Mechanical Laboratory..... Julian C. Smallwood
- Methods in Metallurgical Analysis..... Charles H. White
- Methods, Modern Tool Making..... Franklin K. Jones
- Methods, Oil Production..... Paul M. Paine and B. K. Straud
- Methods of Oil Recovery in California.....
- ..... V. R. Garfias and Ralph Arnold
- Methods (Technical) of Chemical Analysis..... George Lunge
- Vol. III, Part I, and Vol. III, Part II.
- Vol. I, Parts I and II, and Vol. II, Part I.
- Methods (Test) for Steam Power Plants..... Edward H. Tenney
- Michigan Gas Association—
- Proceedings, 1905. Proceedings, 1906. Proceedings, 1907.
- Microscopical and Chemical—Tests and Reagents... Alfred I. Cohn
- Mill Buildings..... H. G. Tyrrell
- Milling, Planing and..... Franklin D. Jones
- Milwaukee Gas Light Company. Prices Charged for Gas in Various Cities of the United States from 1885 to 1907, inclusive.
- Mine Electrical Installation (Factor of Safety)..... H. H. Clark
- Mine Fires and Explosions, The Use of Mice and Birds for Detecting Carbon Monoxide After..... Geo. A. Burrell
- Mine Gases (Sampling and Examination of) and Natural Gas .....
- ..... George A. Burrell and Frank M. Seibert



- Mineral Production. County Maps and Mining Laws of California.  
Issued by State Mining Bureau.
- Mineral Production for 1911.....E. S. Boalich
- Mineral Products, County Maps and Mining Laws of California  
.....L. E. Aubury (Mineralogist)
- Mines (Coal) Gases Found in.....  
.....Geo. A. Burrell and Frank M. Seibert
- Mines, Compressed Air Plant for.....Robert Peele
- Mining, Coal.....T. H. Cockin
- Mixed Paints, Color Pigments and Varnishes....Holley and Ladd
- Modern Appliances in Gas Manufacture....Fletcher W. Stevenson
- Modern Brickmaking.....Alfred B. Searle
- Modern Coking Practice.....Byrom and Christopher
- Modern (The) Factory, Safety, Sanitation and Welfare.....  
.....George M. Price, M. D.
- Modern Gas Engines and Producer Gas Plants.....R. E. Mathot
- Modern Gas Engine and Gas Producer.....A. M. Levin
- Modern Illuminants and Illuminating Engineering.....  
.....Leon Gaster and J. S. Dow
- Modern Methods of Saving Labor in Gas Works..C. E. Brackenbury
- Modern Power Gas Producer Practice.....Horace Allen
- Modern Pumping and Hydraulic Machinery.....Edward Butler
- Modern Retort Settings.....T. Brooke
- Modern Retort Settings.....G. P. Lewis
- Modern Tool-Making Methods.....Franklin D. Jones
- Modification of Illinois Coal by Low Temperature Distillation.  
.....Parr and Francis
- Molded Electrical Insulation and Plastics.....Emile Hemming
- Mond Gas Scheme, A Memorandum on the.....F. N. Keen
- Mortar-Making Qualities of Illinois Sand.....C. C. Wiley
- Mortars, Constitution of Hydraulic.....Henri LeChatelier
- Motion, Link.....Fred H. Colvin
- Motion Study.....Frank B. Gilbreth
- Motive Power Engines, The Testing of.....R. Royds
- Motive (The) Power of the Future; Petroleum.....  
.....Walter Sheldon Tower and John Roberts
- Motor Manual, Dyke's.....A. L. Dyke
- Motors (Farm) Steam and Gas Engines.....Andrey A. Potter
- Mud-laden Fluid Method, Drilling Well in Oklahoma by the..  
.....A. G. Heggem and J. A. Pollard
- Mueller Catalogue (D).  
.....Charles Baskerville
- Municipal Chemistry.....Robt. P. Porter
- Municipal Ownership, Dangers of.....Edward W. Bemis
- Municipal Ownership of Gas in the United States.....  
.....National Civic Federation of New York
- Part I. Vol. I. 1908.
- Part II. Vol. I. 1908.
- Part II. Vol. II. 1908.
- Municipal Reports of San Francisco. 1874-1875. (2 copies.)
- Municipal Reports of San Francisco. 1876-1877. (5 copies.)
- Municipal Reports of San Francisco. 1904-1905.
- Municipal Reports of San Francisco. 1910-1911. Board of Super-  
visors.
- Municipal Reports of San Francisco. 1911-1912. Board of Super-  
visors.
- Municipal Reports of San Francisco. 1898-1907. Lighting Rates.

## N

- National Commercial Gas Association Course—Utilization of Gas Appliances.
- National Commercial Gas Association—  
 1908. 1909. 1910. 1911.
- National Commercial Gas Association. 1909. New Business Report.
- National Commercial Gas Association Proceedings—  
 9th Annual Convention, December, 1913.  
 10th Annual Convention, December, 1914.
- National Commercial Gas Association. Salesman's Handbook, Complete.
- National Commercial Gas Association Proceedings—  
 10th Annual Convention, 1914.  
 11th Annual Convention, 1915.
- National Commercial Gas Association. 8th Annual Convention, December, 1912. Address by President C. L. Holman.
- National Electric Light Association—  
 Proceedings of 37th Convention, June, 1914.  
 Proceedings of 38th Convention, 1915.
- National Engineering and Trade Lectures. British Progress in Gas Works, Plant and Machinery.....C. E. Brackenbury
- National Forests (The Use of the). U. S. Department of Agriculture Forest Service. 1907.
- National Tube Company—Book of Standards, Tables, etc. 1913.
- Natural Gas Consumers, Report of Gas Inspector of Kansas City, Missouri, as to the Information to.
- Natural Gas (Handbook of). Published by Metric Metal Works.....Henry P. Westcott
- Natural Gas (Liquefied Products from), Their Properties and Uses.....Allen and Burrell
- Natural Gas—Production and Utilization of and Means for Their Prevention of Waste.....Arnold and Clapp
- Natural Gas, Sampling and Examination of Mine Gases and.....George A. Burrell and Frank M. Seibert
- Natural Gas, The Utilization of Petroleum and.....W. R. Calvert
- Natural Gas in Wyoming, The Utilization of Petroleum and.....W. R. Calvert
- Nelson's Encyclopedia—  
 Vol. I. A-Bedl. Vol. VII. Joan-Mart.  
 Vol. II. Bedm-Cent. Vol. VIII. Mart-Numid.  
 Vol. III. Cert-Dende. Vol. IX. Numis-Presc.  
 Vol. IV. Dendr-Fern. Vol. X. Prescr-Sax.  
 Vol. V. Fern-Gun. Vol. XI. Saxo-Ten.  
 Vol. VI. Gun-Joan. Vol. XII. Tenn-Zym.
- New (The) Building Estimator.....William Arthur
- New Business Methods to the American Gas Institute, Report of 1906.
- New Business Report for 1909, National Commercial Gas Association.
- New England Association of Gas Engineers—  
 Proceedings, 1906. Proceedings, 1910.  
 Proceedings, 1907. Proceedings, 1911-1912.  
 Proceedings, 1908. Proceedings, 1913-1914.  
 Proceedings, 1909.
- New (A) Era in Chemistry.....Harry C. Jones
- New Tests About Gas Purification (Ferric Oxide).....  
 .....F. H. Fulweiler and A. F. Kunberger
- News Notes, California Libraries. Jan.-Oct. 1913, Jan. 1914.

|  |                                    |
|--|------------------------------------|
| Nitrocellulose Industry.....   | Edward Chauncey Worden             |
| Vol. I.                      Vol. II.                                    |                                    |
| Nitrogen, Utilization of Atmospheric.....                                | Thomas H. Norton                   |
| Nitroglycerin—The Behavior of When Heated..                              | Snelling and Storm                 |
| Non-Ferrous Alloys, The Analysis of.....                                 |                                    |
| .....  | Fred Ibbotson and Leslie Aitchison |
| Non-Metallic Materials of Engineering, A Treatise on. Part I.            |                                    |
| .....  | R. H. Thurston                     |
| Nomenclature and Standards. Report of Committee.....                     |                                    |
| .....  | Dr. A. C. Humphreys                |
| Nonpareil High Pressure Coverings.....                                   | Armstrong Cork Company             |
| North Dakota Lignite as a Fuel for Power Plant Boilers.....              |                                    |
| .....  | Randall and Kreisinger             |
| Notes on Electrochemistry.....   | F. G. Wiechmann                    |
| Notes on the Lithology of Gas Coals.....                                 | James Paterson                     |
| Notes on the Manufacture and Distribution of Coal Gas.....               |                                    |
| .....  | Lieut.-Col. E. C. S. Moore         |
| Notes (Some) on Modern Gas Main Laying.....                              | W. H. Y. Webber                    |
| Notes on the Sampling and Analysis of Coal.....                          | Arno C. Fieldner                   |
| Notes on the Prevention of Dust and Gas Explosions in Coal<br>Mines..... | G. S. Rice                         |



|  |                              |
|--|------------------------------|
| Obligations Imposed by the Possession of a Franchise.....  |                              |
| .....  | Chas. H. Dickey              |
| Office Buildings, Wind Stresses in the Steel Frames of.....  |                              |
| .....  | W. M. Wilson and G. A. Maney |
| Ohio Gas Light Association—  |                              |
| Proceedings, 1901-1902-1903.   |                              |
| Proceedings, 1904.   |                              |
| Proceedings, 1905.   |                              |
| Proceedings, 1906.   |                              |
| Ohio Gas Light Association—Question Box. 1906.   |                              |
| Oil-Burning Electric Power Plant Having Steam Engine Prime<br>Movers, Fuel Economy at a Large..... | C. R. Weymouth               |
| Oil (The) Conquest of the World.....   | Frederick A. Talbot          |
| Oil (Crude), Sketches in.....  | John J. McLaurin             |
| Oil Prospecting, Drilling and Extraction.....  | F. J. S. Sur                 |
| Oil Engine, The Gas and.....   | D. Clerk                     |
| Oil Engine, The Gas, Petrol. Vol. II.....  | Clerk and Burls              |
| Oil Engine Management, Gas and.....  | M. Powis Bale                |
| Oil Engines, Gas, Gasoline and.....  | Gardner D. Hiscox            |
| Oil Engines (Gas and) and Gas Producers.....   | Marks and Wyer               |
| Oil Fuel.....  | Edward Butler                |
| Oil Fuel.....  | Prof. V. B. Lewes            |
| Oil Fuel for Steam Boilers.....  | Rufus T. Strohm              |
| Oil Fuel—Its Supply, Composition and Application....   | S. H. North                  |
| Oil Fuel—Its Supply, Composition and Application. (Revised<br>Edition).....                        | Sydney H. North              |
| Oil (Fuel), Unnecessary Losses in Firing, and an Automatic<br>System for Eliminating Them.....     | C. R. Weymouth               |
| Oil, Gas and Air Engines.....  | Bryan Donkin                 |
| Oil, Gas and Engine Management.....  | M. Powis Bale                |
| Oil and Gas, The Law Relating to.....  | W. W. Thornton               |
| Oil Gas, The Manufacture of. Lecture delivered at the Uni-<br>versity of California.....           | E. C. Jones                  |

|   |                                |
|---|--------------------------------|
| Oil and Gas Prevention of Waste from Flowing Wells in California.....   | Ralph Arnold and V. R. Garfias |
| Oil and Gas Waste in the Mid-Continent Fields.....  | Raymond S. Blatchley           |
| Oil and Gas Wells Through Workable Coal Beds.....   | Rice, Hood and others          |
| Oil Geology, Practical.....   | Dorsey Hager                   |
| Oil (Heavy) as Fuel for Internal Combustion Engines.....  | Irving C. Allen                |
| Oil and Other Liquid Hydrocarbons, Manufacture of Gas from.....   | Wm. Burns                      |
| Oil Production Methods.....   | Paul M. Paine and B. K. Straud |
| Oil Prospecting, Drilling and Extraction.....   | F. J. S. Sur                   |
| Oil (Purchase of Fuel) for the Government with Directions for Sampling Oil and Natural Gas.....   | Irving C. Allen                |
| Oil Recovery in California, Methods of.....   | V. R. Garfias and Ralph Arnold |
| Oil Region (A History of the) Petroleum.....  | Rev. S. J. M. Eaton            |
| Oil (The) Regions of Pennsylvania.....  | William Wright                 |
| Oil Wells, Decline of.....  | L. G. Huntley                  |
| Oils, Catalyzers and Catalysis, The Hydrogenation of.....   | Carleton Ellis                 |
| Oils, Distilled—A Practical Treatise on Coal, Petroleum and Other. New York, 1861.....  | Abraham Gesner                 |
| Oils (Hydrocarbon) Examination.....   | Prof. Dr. D. Holde             |
| Oils (Lubricating) Examination of.....  | Thos. B. Stillman              |
| Oils—The Manufacture of Protogenic or Hydrocarbon Oils from Coal and Other Bituminous Substances Capable of Supplying Burning Fluids. New York, 1859..... | Thomas Antisell, M. D.         |
| Oils (Solvents) Gums, Waxes and Allied Substances.....  | Frederic S. Hyde               |
| Ordinances, City Smoke and Smoke Abatement...   | Samuel B. Flagg                |
| Ores (Iron) Their Occurrence, Valuation and Control.....  | Edwin C. Eckel                 |
| Organic Chemistry.....  | Ira Remsen                     |
| Outlines of Industrial Chemistry.....   | Frank Hall Thorp               |
| Ovens (By-Product Coke) The United-Otto System of.....  | United Gas & Coke Co.          |
| Ownership, Dangers of Municipal.....  | Robt. P. Porter                |
| Oxide of Iron (On the Analysis and Valuation of) and Lime for Purposes of Gas Purification.....   | H. Leicester Greville          |
| (Oxy-Acetylene) A Practical Manual of Autogeneous Welding, with a Chapter on the Cutting of Metals with the Blow-pipe.....                                | R. Granjon and P. Rosenberg    |
| Oxy-Acetylene Process, Instructions on Welding and Cutting of Metals.....   | Vulcan Process Co.             |
| Oxy-Acetylene Welds in Steel, The Strength of.....  | Herbert L. Whittemore          |
| Oxygen, Some Industrial Applications of.....  | L. T. Thorne                   |

## P

|   |          |
|---|----------|
| Pacific Coast Gas Association—"The Purifier." 1904. |          |
| Pacific Coast Gas Association—                      |          |
| Proceedings, 1893-1897.                             | Vol. I.  |
| Proceedings, 1898.                                  | Vol. II. |

- Proceedings, 1899-1900. Vol. III.  
Proceedings, 1901-1902. Vol. IV.  
Proceedings, 1903-1904. Vol. V.  
Proceedings, 1905-1906. Vol. VI.  
Proceedings, 1907-1908. Vol. VII.  
Proceedings, 1909-1910. Vol. VIII.  
Proceedings, 1911-1912. Vol. IX.  
Proceedings, 1913-1914. Vol. X.
- Pacific Gas & Electric Co. vs. City and County of San Francisco. Affidavit No. 32. District Court of U. S., Northern District of California, Second Division....A F. Hockenbeamer
- Pacific Gas & Electric Company. Historical and Descriptive. Vol. I.
- Pacific Gas and Electric Magazine—  
Vol. I. June, 1909-1910.  
Vol. II. June, 1910-1911.  
Vol. III. June, 1911-1912.  
Vol. IV. June, 1912-1913.  
Vol. V. June, 1913-May, 1914.  
Vol. VI. June, 1914-May, 1915.
- Paints, Chemistry and Technology of.....Maximilian Toch  
Paints, The Composition of and Pigments.....Maximilian Toch  
Paints (Mixed), Color, Pigments and Varnishes.....  
.....Holley and Ladd
- Panama-Pacific International Exposition, Collective Gas Exhibit Register. San Francisco, 1915.
- Paschal Iron Works (Illustrated Catalogue)....Morris Tasker Co.
- Patents (Digest of U. S.) of Air, Caloric, Gas and Oil Engines and Other Internal Combustion Engines.....Allen  
Vol. I. Plates. A. D. 1789-1905.  
Vol. II. Plates. A. D. 1789-1905  
Vol. III. Claims. A. D. 1789-1905.  
Vol. III. Claims. A. D. 1789-1905.  
Vol. V. Index.
- Pavements (Street) and Paving Materials.....Geo. W. Tillson  
Pavements, A Treatise on Roads and.....Ira O. Baker  
Paving Materials and Street Pavements.....Geo. W. Tillson  
Paving Over Trenches, Specifications for Same Opened by Public Service Commission, San Francisco. Ordinance 658.
- Peat (The Uses of) for Fuel and Other Purposes..Charles A. Davis  
People's Gas Building, Chicago, Illumination of.....C. A. Luther  
Permanent Protection of Iron and Steel.....Maximilian Toch  
Petition of Boston Gas Light Company with Regard to Carbonic Oxide in Illuminating Gas—Hearing on Report of State Board of Health, Lunacy and Charity.
- Petition of the Citizens' Gas Light Company, Hearing by the Board of Aldermen of Boston on the. November 9, 16, 30 and Dec. 7, 1874.
- Petrol Air—Gas.....Henry O'Connor  
Petrol, The Gas and Oil Engine. Vol. II.....Clerk and Burls  
Petrolia, History of Petroleum..Andrew Cone and Walter R. Johns  
Petroleum (Chemistry of) and Its Substitutes (A Practical Handbook).....C. K. Tinkler and F. Challenger  
Petroleum (Coal Oil and) Their Origin, History and Chemistry  
.....Henri Erni  
Petroleum Discovery (Insight Into), Development and Present Condition and Future Prospects of. Derrick and Drill. Published 1865, by James Miller.
- Petroleum, Early and Later History of, and Biographical Sketches.....J. T. Henry  
Petroleum, A History of the Oil Region.....Rev. S. J. M. Eaton  
Petroleum Industry (History and Romance of). Vol. I..J. D. Henry



- Petroleum Industry, Problems of.....Irving C. Allen
- Petroleum Industry. (Part I.) Report of the Commissioner of  
Corporations on the Position of the Standard Oil Company in  
the Petroleum Industry.
- Petroleum Industry. (Part II.) Report of the Commissioner of  
Corporations on Prices and Profits.
- Petroleum (Methods for the Determination of Water in) and  
Its Products.....Allen and Jacobs
- Petroleum (The Motive Power of the Future).....  
.....Walter Sheldon Tower
- Petroleum and Natural Gas in Wyoming, The Utilization of...  
.....W. R. Calvert
- Petroleum and Natural and Manufactured Gases, A Treatise on  
.....Daniel D. Donahue
- Petroleum (Physical and Chemical Properties of) in San  
Joaquin Valley of California.....Allen and Jacobs
- Petroleum (The Preparation of Specifications for Products)...  
.....Irving C. Allen
- Petroleum and Its Products.....Sir Boverton Redwood  
Vol. I. Vol. II.
- Petroleum, Report on the Transportation of. 1906. Department of  
Commerce and Labor.
- Petroleum Spirit (The Storage of) and Carbide of Calcium,  
for the Use of Local Inspectors and Motorists.....  
.....Major A. Cooper-Key
- Petroleum Technologist's Pocketbook.....  
.....Sir Boverton Redwood and Arthur W. Eastlake
- Petroleum (A Treatise on). (3 Vols.)....Sir Boverton Redwood
- Petroleum (Physical and Chemical Properties of the) of Cali-  
fornia.....Allen, Jacobs, Crossfield and Matthews
- Petroleum of the San Joaquin Valley of California.....  
.....Irving C. Allen and W. A. Jacobs
- Petrolia, A Brief History of the Pennsylvania Petroleum Re-  
gion, Its Development, Growth, Resources, etc. 1858-1869.  
.....Andrew Cone and Walter R. Johns
- Petrus Peregrinus on the Magnet, A. D. 1269, Letters of.
- Phenol, The Constituents of Coal Soluble in...Frazer and Hoffman
- Philadelphia Gas Works. Report 1836-1845.
- Philadelphia Manual of the City Councils for 1896-1897.
- Photogenic or Hydrocarbon Oils, Manufacture of.....  
.....Thomas Antisell, M. D.
- Photographs of Gas Arc Lighting....Welsbach Street Lighting Co.
- Photometer, Description of Simmance-Ababy, from Proceedings  
Physical Society of London.
- Photometers and Gas Testing Apparatus.....Sugg's
- Photometrical Standards.....A. J. Van Eijndhoven
- Photometry and Illumination.....W. E. Wickenden
- Photometry (Industrial), with Special Application to Electric  
Lighting.....A. Palaz
- Photometry, Light and Illumination....William Edward Barrows
- Photometry, Practical—A Guide to the Study and Measurement  
of Light.....W. J. Dibdin
- Photographs, from Welsbach Co. Using Gas Arcs.
- Physical and Chemical Properties of the Petroleum of Cali-  
fornia.....Allen, Jacobs, Crossfield and Matthews
- Physical and Chemical Properties of the Petroleum of the San  
Joaquin Valley of California..Irving C. Allen and W. A. Jacobs
- Physical Chemistry, Elements of.....Harry C. Jones
- Physics, Handbook of Chemistry and.....Chemical Rubber Co.
- Physics, A Text Book of.....W. Watson
- Pigments (Paints and) The Composition of.....M. Toch

- Pipe, Standard Specifications for Cast Iron and Special Cast-  
ings.....American Gas Institute  
Pipes (Steam), Their Design and Construction.....Wm. H. Booth  
Pipe—Tests of Cast-Iron and Reinforced Concrete Culvert Pipe  
.....Arthur N. Talbot  
Piping, Specifications for House.....United Gas Improvement Co.  
Pittsburg (Smoke Nuisance to) The Economic Cost of the....  
.....J. J. O'Connor, Jr.  
Plague Flea of California. Bulletin State Board of Health.  
Planing and Milling.....Franklin D. Jones  
Plants, Heating and Ventilation. (Part II)....Charles L. Hubbard  
Plants, Steam Power. (Part I.).....Charles L. Hubbard  
Plants, Steam Power, Their Design and Construction.....  
.....H. C. Meyer, Jr.  
Plants (Steam Power), Test Methods for.....Edward H. Tenny  
Plants, Suction Gas.....C. Alfred Smith  
Plasters, Cements, Limes and.....Edwin C. Eckel  
Plastics, Molded Electrical Insulation and.....Emile Hemming  
Plates (Base and Bearing) for Columns and Beams, A Study of  
.....N. C. Ricker  
Plumbers and Gas Fitters' Guide.....J. D. Galloway  
Plumbing Work and Materials—International Library of Tech-  
nology.  
Pocket Almanac, Gas Engineer's and Superintendent's, for 1873  
.....American Meter Company  
Pocket Almanac, Gas Engineer's and Superintendent's, for 1874  
.....American Meter Company  
Pocket Almanac, Gas Engineer's and Superintendent's, for 1879  
.....American Meter Company  
Pocket Almanac, Gas Engineer's and Superintendent's, for 1881  
.....American Meter Company  
Pocketbook, American Civil Engineer's.....Mansfield Merriman  
Pocketbook, Architect's and Builder's.....F. E. Kidder  
Pocketbook, Civil Engineer's.....A. I. Frye  
Pocketbook, Electrical Engineer's.....Horatio A. Foster  
Pocketbook, Engineer's.....John C. Trautwine  
Pocketbook, The Gas Engineer's.....H. O'Connor  
Pocketbook, Engineer's.....C. H. Haswell  
Pocketbook, Mechanical Engineer's.....Kent  
Pocketbook, Petroleum Technologist's.....  
.....Sir Boverton Redwood and Arthur W. Eastlake  
Pocket Companion, Gas Superintendent's. 1870.....  
.....Harris and Brother  
Poisoning (Industrial) from Fumes, Gases and Poisons of  
Manuf. Processes.....Dr. J. Rambousek  
Poisoning (Lead) in the Smelting and Refining of Lead (Bu-  
reau of Labor Statistics).....Alice Hamilton  
Portland Cement.....Richard K. Meade  
Possible Cause of the Decline of Oil Wells. Suggested Meth-  
ods of Prolonging Yield.....L. G. Huntley  
Power.....Charles E. Lucke  
Power (Electric) Development in California.....John A. Britton  
Power of Fuels, The Calorific.....Herman Poole  
Power (Electric) for Gas Works.....H. Staniforth  
Power Engines, The Testing of Motive.....R. Royds  
Power Engineering, Water.....Daniel W. Meade  
Power Enterprises, The Finance of Gas and Electric Light and  
.....William D. Marks  
Power, Gas.....Hirshfeld and Ulbricht  
Power, Gas.....F. E. Junge  
Power of Gas, The Calorific.....J. H. Coste

- Power and Heating Plants (Combined). Part III—Power,  
Heating and Ventilation.....C. L. Hubbard  
Power House Design.....John F. C. Snell  
Power Plant Development in Europe—Features of Producer  
Gas.....R. H. Fernald  
Power Plant Engineering, Steam.....G. F. Gebhardt  
Power Plant Testing.....James Ambrose Moyer  
Power Plant in the United States, Recent Development of the  
Producer-Gas.....Robert Heywood Fernald  
Power Plants (Factory) Preventing Losses in.....  
.....David Moffat Myers  
Power Plants, The Mechanical Engineering of..Frederic R. Hutton  
Power (Steam) Plants, Their Design and Construction.....  
.....Henry C. Meyer, Jr.  
Power Plants (Steam-Electric).....Frank Koester  
Power Plants, Steam (Part 1).....Charles L. Hubbard  
Power Plants (Steam), Test Methods for.....Edward H. Tenney  
Power (Steam) Stations.....  
.....Stone & Webster Engineering Corporation  
Power (The Testing of Motive Power) Engines.....R. Royds  
Power Transmission, Electric.....Louis Bell  
Power Transmission, High Tension.  
Vol. 1.  
Vol. II.  
Power Transmission, Long Distance Electric....Rollin Hutchison  
Practical Gasfitting.....Paul N. Hasluck  
Practical Gasfitting, Handbook of.....Walter Grafton  
Practical Illumination.....Cravath and Lansingh  
Practical (A) Manual of Autogenous Welding.....  
.....R. Granjon and P. Rosemberg  
Practical Oil Geology.....Dorsey Hager  
Practical Photometry—A Guide to the Study of the Measure-  
ment of Light.....W. J. Dibdin  
Practical Rate Making and Appraisement.....William D. Marks  
Practical Testing of Gas and Gas Meters.....C. H. Stone  
Practical (A) Treatise on Coal, Petroleum and Other Distilled  
Oils. New York, 1861.....Abraham Gesner  
Practical Treatise on Foundations.....W. M. Patton  
Practical Treatise on Gas Light. Vol. I. 1815. The First  
Practical Treatise on the Subject. 1st edition.....Accum  
Practical (Accum's) Treatise on Gas Light. 1818. Vol. II.  
Practical Treatise on Gas and Ventilation.....E. E. Perkins  
Practical (A) Treatise on Gas Lighting, in which Gas Apparatus  
generally in use is explained and illustrated by 22 appropri-  
ate plates. 3rd edition. London, 1841....Thomas S. Peckston  
Practical (A) Treatise on the Manufacture and Distribution of  
Coal Gas. Its Introduction and Progressive Improvement.  
London, 1841. 1st edition, with list of subscribers.....  
.....Samuel Clegg, Jr.  
Practical Treatise on Manufacture and Distribution of Coal  
Gas. 2nd edition. 1853.....Samuel Clegg, Jr.  
Practical Treatise on Manufacture and Distribution of Coal  
Gas. 3rd edition. 1859.....Samuel Clegg, Jr.  
Practical (A) Treatise on the Manufacture and Distribution of  
Coal Gas. 1868.....Samuel Clegg, Jr.  
Practical (A) Treatise on the "Otto" Cycle Gas Engine.....  
.....William Norris  
Practice and Theory of the Injector.....Strickland Kneass  
Preparation (The) of Specifications for Petroleum Products..  
.....Irving C. Allen  
Preservation (Road) and Dust Prevention.....W. P. Judson

- Press Working of Metals.....Oberlin Smith  
 Pressure (High) Nonpareil Coverings.....Armstrong Cork Co.  
 Preventing Losses in Factory Power Plants..David Moffat Myers  
 Prevention of Dust and Gas Explosions in Coal Mines. (Notes  
 on the).....G. S. Rice  
 Prevention (The) of Waste of Oil and Gas from Flowing  
 Wells in California.....Arnold and Garfias  
 Prices Charged for Gas in Various Cities of the United States  
 from 1885 to 1907, inclusive.....Milwaukee Gas Light Co.  
 Primer on Explosives for Coal Miners.....Munroe and Hall  
 Principal (The) Gas Undertakings in England, Scotland and  
 Ireland. 1887 Analysis.....John W. Field  
 Principle and Practice, The Gas Engineer in.....A. H. Goldingham  
 Principles of Depreciation.....Earl A. Saliers  
 Principles, The Gas Engine.....Roger B. Whitman  
 Principles of Scientific Management (The).....F. W. Taylor  
 Private Operation (Municipal and) of Public Utilities.....  
 .....National Civic Federation Commission  
     Part I. Vol. I.  
     Part II. Vol. I.  
     Part II. Vol. II.  
 Problems of Petroleum Industry.....Irving C. Allen  
 Problems, Some Chemical, of Today.....Robert Kennedy Duncan  
 Proceedings of American Gas Institute—  
 1893-1897.  
     Vol. I. 1906.                      Vol. VI. Part II. 1911.  
     Vol. II. 1907.                      Vol. VII. 1912.  
     Vol. III. 1908.                      Vol. VIII. Part I. 1913.  
     Vol. IV. 1909.                      Vol. VIII. Part II. 1913.  
     Vol. V. 1910.                      Vol. IX. 1914.  
     Vol. VI. Part I. 1911.  
 Proceedings American Gas Light Association—  
     Index of Proceedings. Vol. I to VIII.  
     Vol. 1.                      Vol. 7.                      Vol. 13.                      Vol. 19.  
     Vol. 2.                      Vol. 8.                      Vol. 14.                      Vol. 20.  
     Vol. 3.                      Vol. 9.                      Vol. 15.                      Vol. 21.  
     Vol. 4.                      Vol. 10.                      Vol. 16.                      Vol. 22.  
     Vol. 5.                      Vol. 11.                      Vol. 17.  
     Vol. 6.                      Vol. 12.                      Vol. 18.  
 Proceedings American Society Mechanical Engineers, The Journal.  
     October, 1910.  
     June, 1912.  
     April, 1913.  
 Proceedings of Congress of Gas Associations of America held at  
 Louisiana Purchase Exposition. June, 1904.  
 Proceedings Illinois Gas Association, 3rd and 4th Meetings, 1907-  
 1908.  
 Proceedings Illinois Gas Association, 5th Meeting, 1909.  
 Proceedings Indiana Gas Association, 4th Annual Meeting, 1912.  
 Proceedings Indiana Gas Association, 5th Annual Meeting, 1913.  
 Proceedings Indiana Gas Association, 7th Annual Convention, 1915.  
 Proceedings Iowa District Gas Association, 1st Annual Meeting,  
 1906-1910.  
 Proceedings Iowa District Gas Association, 8th Annual Meeting,  
 1911-1912.  
 Proceedings, Journal of, June, 1914, Board of Supervisors City and  
 County of San Francisco.  
 Proceedings Michigan Gas Association, 1905, 1906, 1907.  
 Proceedings National Commercial Gas Association—  
     January-December, 1908.  
     December, 1910.



- October, 1911.  
 December, 1913.  
 December, 1915.
- Proceedings National Commercial Gas Association, 10th Annual Convention, 1914.
- Proceedings National Electric Light Association, 37th Convention, 1915.
- Proceedings of New England Association of Gas Engineers—  
 36th, 37th, 38th Annual Meetings, 1906, 1907, 1908.  
 39th and 40th Annual Meetings, 1908, 1909, 1910.  
 41st Annual Meeting, 1911-1912.  
 42nd Annual Meeting, 1913-1914.
- Proceedings Ohio Gas Light Association (The Question Box, 1906).
- Proceedings Ohio Gas Light Association—  
 17th Annual Meeting, 1901-1902-1903.  
 20th Annual Meeting, 1904.  
 21st Annual Meeting, 1905.  
 22nd Annual Meeting, 1906.
- Proceedings Pacific Coast Gas Association—  
 Vol. I. 1893-1897. Vol. VI. 1905-1906.  
 Vol. II. 1898. Vol. VII. 1907-1908.  
 Vol. III. 1899-1900. Vol. VIII. 1909-1910.  
 Vol. IV. 1901-1902. Vol. IX. 1911-1912.  
 Vol. V. 1903-1904. Vol. X. 1913-1914.
- Proceedings Southern Gas Association, 4th Annual Meeting, 1912.
- Proceedings Southwestern Electrical and Gas Association, 6th Annual Convention, 1910.
- Proceedings Southwestern Electrical and Gas Association, 7th Annual Convention, 1911.
- Proceedings Southwestern Electrical and Gas Association, 9th Annual Convention, 1913.
- Proceedings Western Gas Association—  
 1887-1891. 1899-1902.  
 1892-1895. 1903-1905.  
 1896-1898. 1906-1908.
- Producer Gas.....Dowson and Larter
- Producer Gas.....A. Humboldt Sexton
- Producer (Gas) American Practice.....Nisbet Latta
- Producer Gas, Catechism on.....Samuel S. Wyer
- Producer Gas, Essential Factors in the Formation of.....  
 .....Clement, Adams and Haskins
- Producer Gas Fired Furnaces.....Oskar Nagel
- Producer Gas and Gas Producers.....Samuel S. Wyer
- Producer (Gas) Internal Combustion Engines..Roesler and Askling
- Producer Gas Investigations.....Fernald and Smith
- Producer Gas Plants, Modern Gas Engines and.....R. E. Mathot
- Producer-Gas Power-Plant Development in Europe..R. H. Fernald
- Producer-Gas Power Plant in the United States, The Commercial Trend of the.....R. H. Fernald
- Producer-Gas Power Plant in the United States, Recent Development of the.....Robert Heywood Fernald
- Producer (Gas), Status of the, and of the Internal Combustion Engine in the Utilization of Fuels.....R. H. Fernald
- Producer Gas (The Manufacturing of) from City Garbage....  
 .....Universal Sanitary Reduction and Power Co.
- Producer and Illuminating Gases, Calorimetry of.....  
 .....John F. Simmance
- Producer, The Modern Gas Engine and the Gas.....A. M. Levin
- Producer Practice, Modern Power Gas.....Horace Allen
- Producer, The Slagging Type of Gas.....Carl D. Smith
- Producer, Tests of a Suction Gas.....Garland and Kratz



Producers (Gas), Gas and Oil Engines and.....Marks and Wyer  
Producers (Gas) for Power Purposes.....W. A. Tookey  
Production of Gold and Silver in the United States—

1893

1894.

.....Report of Director of the Mint  
Production et Utilisation des Gas Pauvres.....L. Marchi  
Production of Gas, Coke, Tar and Ammonia at Gas Works in Re-  
tort Coke Ovens, 1905.  
Production of Gas, Coke, Tar and Ammonia at Gas Works in Re-  
tort Coke Ovens, 1907.  
Production of Gas, Coke, Tar and Ammonia at Gas Works in Re-  
tort Coke Ovens, 1908.  
Production of Gas, Coke, Tar and Ammonia at Gas Works in Re-  
tort Coke Ovens, 1912.  
Production and Use of Brown Coal in the Vicinity of Cologne,  
Germany.....Chas. A. Davis  
Products, Petroleum and Its. Vols. I and II.....  
.....Sir Boverton Redwood  
Products (Waste) Utilization of.....Dr. Theodor Koller  
Progressive Age— Changed to Gas Age.

|                             |                      |
|-----------------------------|----------------------|
| February-December, 1883-84. | July-December, 1910. |
| January-December, 1885-86.  | January-June, 1910.  |
| January-April, 1887-88.     | January-June, 1911.  |
| April-December, 1906.       | July-December, 1911. |
| January-June, 1907.         | January-June, 1912.  |
| July-December, 1907.        | July-December, 1912. |
| January-June, 1908.         | January-April, 1913. |
| July-December, 1908.        |                      |
| January-June, 1909.         |                      |
| July-December, 1909.        |                      |

Properties of Steam and Ammonia.....G. A. Goodenough  
Properties and Uses of Douglas Fir.....Cline and Knapp  
Proposed Regulations for the Drilling of Gas and Oil Wells..  
.....Hood and Heggem  
Protection, Dangers to Workers from Dusts and Fumes and  
Methods of.....United States Department of Labor  
Protection, Fire.....Joseph Kendall  
Public Benefits Derived from Water Power Developments in  
California.....John Martin  
Public Lighting by Gas and Electricity.....W. J. Dibdin  
Public Ownership (Where and Why) has Failed.....Yves Guyot  
Public Policy Committee of the American Gas Institute, Report of  
the. October, 1907.

Public Service Commission, First District, State of New York,  
Annual Report for Year Ending December 31, 1907. Vol. I.  
Public Service Commission, First District, State of New York,  
Annual Report for Year Ending December 31, 1907. Vol. II—  
Statistics of Public Service Corporations.  
Public Service Commission, First District, State of New York,  
Annual Report for Year Ending December 31, 1910. Vol. I.  
Public Service Commission, Second District, State of New York,  
First Annual Report for Year 1907. Vol. I.  
Public Service Commission, Second District, State of New York,  
First Annual Report for Year 1907. Vol. II.  
Public Service Commission, State of New York, Second District,  
Second Annual Report for Year 1908. Vol. I.  
Public Service Commission, State of New York, Second District,  
Second Annual Report for Year 1908. Vol. II. (Uniform  
System of Accts.)

- Public Service Commission, State of New York, Second District,  
Second Annual Report for Year 1908. Vol. III.
- Public Service Commission, State of New York, Second District,  
Third Annual Report for Year 1909. Vol. I.
- Public Service Commission, State of New York, Second District,  
Third Annual Report for Year 1909. Vol. II.
- Public Service Commission, State of New York, Second District,  
Fourth Annual Report for Year 1910. Vol. I. A to E Inc.
- Public Service Commission, State of New York, Second District,  
Fourth Annual Report for Year 1910. Vol. II.
- Public Service Commission, State of New York, Second District,  
Fourth Annual Report for Year 1910. Vol. III.
- Public Service Commission, State of New York, Second District,  
Fifth Annual Report for Year 1911. Vol. I.
- Public Service Commission, State of New York, Second District,  
Fifth Annual Report for Year 1911. Vol. II.
- Public Service Commission, First District, State of New York,  
Electricity Rates for 1910.
- Public Service Commission, First District of New York, Change  
in Grade Crossings, Long Island Railway Co.
- Public Service Commission, State of New York, Coney Island and  
Brooklyn R. R. Co. Re 10 cent fare on week days.
- Public Service Corporations, Some Mistaken Notions Concern-  
ing.....Frederick Strauss
- Public Service Corporation, Valuation of.....Robt. H. Whitten
- Public Service Properties as a Basis for Regulating of Rates,  
Appraisal of.....C. E. Grunsky
- Public Service Rate Making.....Dr. A. C. Humphreys
- Public Utilities, Their Present Value and Return.....  
.....Hammond V. Hayes
- Public Utilities Act of California.....Louis Sloss & Co.
- Public Utilities, Their Cost and Depreciation..Hammond V. Hayes
- Public Utilities, Municipal and Private Operation of.....  
.....National Civic Federation Commission
- Part I. Vol. I.
- Part II. Vol. I.
- Part II. Vol. II.
- Public Utility Properties, Valuation of.....Henry Floy
- Public Utilities Regulation, Valuation and Depreciation of....  
.....Samuel S. Wyer
- Public Works in the United States of America.....  
.....Strickland, Gill and Campbell
- Pumping Machinery.....Arthur M. Greene, Jr.
- Pumping (Modern) and Hydraulic Machinery.....Edward Butler
- Pumps, Centrifugal.....Lowenstein and Crissey
- Pumps and Hydraulics.....William Rogers
- Part I. Part II.
- Pumps (Steam) Direct-Acting.....Frank F. Nickel
- Purchase of Coal by the Government under Specifications with  
Analyses of Coal Delivered for the Fiscal Year 1908-1909.  
.....George S. Pope
- Purchase of Fuel Oil for the Government with the Directions  
for Sampling Oil and Natural Gas.....Irving C. Allen
- Purchasing.....C. S. Rindsfoos
- Purchasing (Its Economic Aspects and Proper Methods)....  
.....H. B. Twyford
- Purification, Analysis, Technical Valuation and Use of Coal Gas  
.....W. R. Bowditch
- Purification of Coal Gas and the Advantages of Cooper's  
Liming Process, A Treatise on the. London, 1884..R. P. Spice
- "Purifyer, The." Pacific Coast Gas Association. 1904.

Pyrometry—A Practical Treatise on the Measurement of High  
Temperatures.....Chas. R. Darling

## Q

Quantitive Estimation of Ammonia and Sulphur in Coal Gas..  
.....William W. Goodwin  
Question Box, 1906, Ohio Gas Light Association.  
Questions and Answers from The Gas Engine.....  
.....Gas Engine Publishing Co.

## R

Radiation (Light) and Illumination, translated from the Ger-  
man of Paul Hogner.....Justus Eck  
Radiation, Light and Illumination.....C. P. Steinmetz  
Railroad Commission, Town of Antioch vs. P. G. & E. Co.  
Railway (Electric) Handbook.....Albert S. Richey  
Rate Making and Appraisement (Practical).....William D. Marks  
Rate Making (Legal Phases of Central Station) for Electric  
Supply.....James V. Oxtoby  
Rate Making and Public Purchase (Valuation of Public Service  
Corporations), Legal and Economic Phases of Valuation  
for.....Robert H. Whitten  
Rate Making (Public Service).....Dr. A. C. Humphreys  
Rate—Testimony Taken by Board of Supervisors Fixing Rate,  
July 1, 1906-June 30, 1907.  
Rates (Capital and), The Relation Between.....F. Strauss  
Rates Charged for Electric Energy in 22 Cities of the United  
States. Argument by Pacific Gas & Electric Co. before Board  
of Supervisors. February 20, 1912.  
Rates (The Making of) and the "Additional Business" System  
of Costs.....W. H. Gardiner, Jr.  
Rates—Gas (Scientific).....H. I. Lea  
Rates for Gas Service.....C. L. Cory  
Reactions, Chemical.....Dr. Phil Edmund Drechsel  
Reagents (Tests and)—Chemical and Microscopical..Alfred I. Cohn  
Reasonable Gas Rates and Their Determination.....C. L. Cory  
Recipes, Formulas and Processes, Henley's Twentieth Century  
Book of.  
Recorders (C O 2) Fuel Economy and.....  
.....A. R. Maujer and Chas. H. Bromley  
Reduction (Standard) Factors for Gases.....  
.....Helen Brooks McFarland  
Reference Book, Mechanical Engineer's....Henry Harrison Suplee  
Refractories and Furnaces.....F. T. Havard  
Refractory Materials, Fuel and.....A. Humboldt Sexton  
Refrigerating Engineers' (Mechanical and) Handy Book.....  
.....Otto Luhr  
Register, Collective Gas Exhibit, Panama-Pacific International Ex-  
position, San Francisco, 1915.  
Regulation, Valuation and Depreciation of Public Utilities....  
.....Samuel S. Wyer

- Regulations (State and Municipal) for the Quality, Distribution and Testing of Illuminating Gas. Circular of the Bureau of Standards No. 32.....W. S. Stratton
- Reinforced Concrete.....Buel and Hill
- Reinforced Concrete.....Charles F. Marsh
- Reinforced Concrete Design.....John Hawkesworth
- Reinforced Concrete Construction, Concrete and...Homer A. Reid
- Reinforced Concrete, Plain and.....Taylor and Thompson
- Relation (The) between Capital and Rates.....F. Strauss
- Relation (The) of Illuminating Engineering to Architecture, from the Engineer's Standpoint.....E. L. Elliott
- Relative Effects of Carbon Monoxide on Small Animals.....Burrell, Seibert and Robinson
- Relative Hygienic Values of Gas and Electric Lighting. Journal of The Royal Sanitary Institute, March, 1908.....S. Rideal
- Report, 1899, Treasury Annual, Superintendent of Coast and Geodetic Survey.
- Report of the California State Agricultural Society. 1908.
- Reports (Annual) Chemical Society—
- |           |            |
|-----------|------------|
| Vol. I.   | Vol. VII.  |
| Vol. II.  | Vol. VIII. |
| Vol. III. | Vol. IX.   |
| Vol. IV.  | Vol. X.    |
| Vol. V.   | Vol. XI.   |
| Vol. VI.  |            |
- Report of Committee on Nomenclature and Standards.....Dr. A. C. Humphreys
- Report of Committee on Electrolysis. 1906. American Gas Light Association.
- Report of the Commissioner of Corporations on the Petroleum Industry—
- Part I.
- Part II.
- Report (14th Annual) Commissioner of Labor. 1899. Water, Gas and Electric Light Plants.
- Report of Cost of Electric Plant for San Francisco. Resolution 2266. Fourth Series.....A. M. Hunt
- Report (Annual) of Gas and Electric Light Commissioners, Massachusetts—
- 1st, 3rd, 4th, 5th, 7th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st.
- Report (First Annual) of the Director of the Bureau of Mines to the Secretary of the Interior.
- Report of the Evidence and Other Matter Presented before a Joint Committee of the City Council of Boston upon the Subject of Gas. 1867.
- Report on the Gas and Electrical Condition in the City of Oakland, Cal.
- Report of Gas Inspector of Kansas City, Missouri, as to Information for the Natural Gas Consumers.
- Report of Hearing on Proposed Amendment of Statutes to Permit the Manufacture of Water Gas in Massachusetts. 1884.
- Report on Hearing on Proposed Amendment of Statutes to Permit the Manufacture of Waster Gas in Massachusetts. 1886.
- Report of Lamp Department (Annual). 1906. Dennis J. Hern, Supt.

Report on Labor Statistics, 13th Biennial. 1907-1908. J. D. MacKenzie, Commissioner.  
14th, 1909-1910.  
15th, 1911-1912.

..... John P. McLaughlin, Commissioner  
Report on the Manufacture of Coke..... Jos. D. Weeks

Reports, Municipal San Francisco. 1904-1905.

Reports, Municipal San Francisco. 1898-1907.

Reports, Municipal San Francisco. 1910-1911.

Report to National Civic Federation Commission on Public Ownership and Operation, Municipal and Private Operation of Public Utilities—

Part I. Vol. I.

Part II. Vol. I.

Part II. Vol. II.

Report National Commercial Gas Association. 1908.

Report National Commercial Gas Association. 1910.

Report National Commercial Gas Association. 1911.

Report for 1909, New Business. National Commercial Gas Association.

Report of New Business Methods of the American Gas Institute. 1906.

Report of Production of Gold and Silver in the United States. 1893-1894. Director of the Mint.

Report Ohio Gas Light Association (The Question Box, 1906).

Report on Philadelphia Gas Works.

Reports, 1836 to 1845, Philadelphia Gas Works.

Report, Philadelphia, 1888, Bureau of Gas Annual.

Report of the Public Policy Committee of the American Gas Institute, October, 1907.

Report (Annual) for year ending December 31, 1907, Public Service Commission, First District, State of New York. Vol. I.

Report (Annual) for year ending December 31, 1907, Public Service Commission, First District, State of New York. Vol. II.

Report (Annual) for year 1910, Public Service Commission, First District, State of New York. Vol. I.

Report (Annual) for year 1907, Public Service Commission, Second District, State of New York. Vol. I.

Report (Annual) for year 1907, Public Service Commission, Second District, State of New York. Vol. II.

Report (Second Annual) for year 1908, Public Service Commission, Second District, State of New York. Vol. I.

Report (Second Annual) for year 1908, Public Service Commission, Second District, State of New York. Vol. II. (Uniform System of Accounts.)

Report (Second Annual) for year 1908, Public Service Commission, Second District, State of New York. Vol. III.

Report (Third Annual) for year 1909, Public Service Commission, Second District, State of New York. Vol. I.

Report (Third Annual) for year 1909, Public Service Commission, Second District, State of New York. Vol. II.

Report (Fourth Annual) for year 1910, Public Service Commission, Second District, State of New York. Vol. I.

Report (Fourth Annual) for year 1910, Public Service Commission, Second District, State of New York. Vol. II.

Report (Fourth Annual) for year 1910, Public Service Commission, Second District, State of New York. Vol. III. (Abstracts of Reports of Corporations, Electrical Gas and Telephone.)

Report (Fifth Annual) for year 1911, Public Service Commission, Second District, State of New York. Vol. I.



- Report (Fifth Annual) for year 1911, Public Service Commission,  
Second District, State of New York. Vol. II.  
Report of Purification of Gas from Sulphur Compounds. House of  
Commons, Committee from.  
Report, San Francisco Municipal. 1874-1875.  
Report, San Francisco Municipal. 1876-1877.  
Report, San Francisco Municipal. 1904-1905. Board of Supervisors.  
Report, San Francisco Municipal. 1910-1911. Board of Supervisors.  
Report, San Francisco Municipal. 1911-1912. Board of Supervisors.  
Report, State Board of Health. Nov., 1913, Dec., 1913, Jan., 1914.  
Report of State Engineer and Surveyor, 1900, State of New York.  
Reports, Specifications and Estimates of Public Works in the United  
States of America, Comprising the Philadelphia Gas Works,  
etc. London, 1841.  
Report of Testimony and Arguments in Favor of Permitting the  
Manufacture of Water Gas in Massachusetts. 1884.  
Report of State Forester of California.....G. M. Homans  
Report on the Transportation of Petroleum. 1906. Department of  
Commerce and Labor.  
Report, 1899, Treasury Annual. Supt. of Coast and Geodetic Sur-  
vey.  
Report (Fourteenth Annual) of Westfield Gas & Electric Light  
Works. 1913.  
Report of Western Gas Association—  
1887-1891. 1899-1902.  
1892-1895. 1903-1905.  
1896-1898. 1906.  
Report of Work of Agricultural Experimental Station of Univer-  
sity of California. 1894-1895.  
Reports, Wisconsin Railroad Commission. Vol. I. July 20, 1905-  
July 31, 1907.  
Residuals, Coal Tar.....Frederick H. Wagner  
Resistance to Flow Through Locomotive Water Columns.....  
.....Talbot and Melvin  
Retail Prices. 1890-1911. No. 1, Part 1. Bulletin of Bureau of  
Labor.  
Retail Prices. 1890-June, 1911. No. 1, Part 2. Bulletin of Bureau  
of Labor.  
Retort Settings, Modern.....G. P. Lewis  
Retort (Modern) Settings.....T. Brooks  
Retort System, Dessau Vertical.....Frederick Mayer  
Review of the Report of Dr. S. Rideal on the Hygienic Value of  
Gas and Electric Lighting.....A. H. Strecker  
Risdon Iron Works, Catalogue of.  
Road Construction, Scientific.....Standard Oil Company  
Roads and Pavements, A Treatise on.....I. O. Baker  
Road Preservation and Dust Prevention.....Wm. Pierson Judson  
Rock Excavating and Blasting.....J. J. Cosgrove  
Roofs, Strength of Beams, Floors and.....F. E. Kidder  
Roofs, A Treatise on the Design and Construction of.....  
.....N. Clifford Ricker  
Royal Sanitary Institute.....Samuel Rideal  
Rules, Tables and Data for Mechanical Engineers, Manual of..  
.....Daniel Kinnear Clark  
Run-of-Mine and Briquetted Coal in a Locomotive Boiler, Tests  
of.....Ray and Kreisinger  
Run-of-Mine and Briquetted Coal on Locomotives, Comparative  
Tests of.....W. F. M. Goss  
Rustless Coatings.....M. P. Wood

# S

- Safety—The Factor of—in Mine Electrical Installations.....H. H. Clark
- Salesmen (Gas Appliance) Instructions to.....J. E. Bullard
- Salesman's Handbook Complete...National Commercial Gas Assn.
- Sampling (The) and Chemical Analysis of Iron and Steel....O. Bauer and E. Deiss
- Sampling Coal Deliveries and Types of Government Specifications for the Purchase of Coal.....George S. Pope
- Sampling and Analysis of Coal, Notes on the.....Arno C. Fieldner
- Sampling and Examination of Mine Gases and Natural Gas..George A. Burrell and Frank M. Seibert
- Sands (Illinois), The Mortor Making Qualities of.....C. C. Wiley
- San Francisco Earthquake and Fire of April 18, 1906.....Gilbert, Humphrey, Sewell and Soule
- San Francisco Gas & Electric Co.—
- Union Investment Co. vs. Supreme Court of the State of California.
- San Francisco Municipal Reports. 1904-1905. Board of Supervisors.
- San Francisco Municipal Reports. 1910-1911. Board of Supervisors.
- San Francisco, Report Municipal Lighting Rates. 1898-1907. Board of Supervisors.
- Sanitation at Mining Villages in the Birmingham District, Ala. ....Dwight E. Woodbridge
- Saving Fuel in Heating a House.....L. P. Breckenridge and S. B. Flagg
- Science (The) of Burning Liquid Fuel.....William Newton Best
- Science (The) and Practice of Management...A. Hamilton Church
- Scientific Gas Rates.....H. I. Lea
- Scientific Management.....Clarence B. Thompson
- Scientific Management, The Principles of.....F. W. Taylor
- Scientific Road Construction.....Standard Oil Company
- Self-Instruction for Students in Gas Manufacture (Elementary) Mentor
- Self-Instruction for Students in Gas Manufacture (Constructional) ..... Mentor
- Self-Instruction for Students in Gas Manufacture (Advanced) ..... Mentor
- Self-Instruction for Students in Gas Supply (Elementary and Advanced) ..... Mentor
- Shade Trees—Massachusetts Agricultural Experiment Station. ....Start, Stone and Fernald
- Shafts, The Effect of Keyways on the Strength of.....Herbert F. Moore
- Shop (Machine) Management, Handbook of..John H. VanDeventer
- Significance of Drafts in Steam Boiler Practice..Ray and Kreisinger
- Simmance—Ababy Photometer, Description of, from Proceedings of Physical Society of London.
- Silver (Gold), Copper, Lead and Zinc in 1910, Extract from Mineral Resources of the United States. Calendar Year 1910.
- Silver (Production of Gold and) in the United States—
- Vol. I. 1893.
- Vol. II. 1894. Report of Director of the Mint.
- Slagging Type of Gas Producer.....Carl D. Smith
- Smoke (City) Ordinances and Smoke Abatement..Samuel B. Flagg
- Smoke, Metallurgical.....Chas. H. Fulton
- Smoke Nuisance to Pittsburg (Economic Cost of the).....J. J. O'Connor, Jr.
- Smokeless (Combustion and) Furnaces.....Jos. W. Hays

- Smokeless Combustion of Coal in Boiler Furnaces, with a Chapter on Central Heating Plants.....Randall and Weeks
- Solicitors' (Electrical) Handbook.....National Electric Light Association
- Solids, The Transportation of Gases, Liquids and.....Oskar Nagel
- Solvents, Oils, Gums, Waxes and Allied Substances.....Frederic S. Hyde
- Some Information Concerning Gas Lights.....Thomas Cooper
- Southern Gas Association—  
 Proceedings, 1909, First Annual Meeting.  
 Proceedings, 1912, Fourth Annual Meeting.
- Southwestern Electrical and Gas Association—  
 Seventh Annual Convention, 1911.  
 Sixth Annual Convention, 1910, and Question Box.  
 Proceedings of the 9th Annual Convention, May, 1913.  
 Proceedings of the 10th Annual Convention, 1914.
- Specifications for House-Piping.....United Gas Improvement Co.
- Specifications, Electric Lighting.....E. A. Merrill
- Specifications (Standard) for Cast Iron Pipe and Special Castings.....American Gas Institute
- Specifications for Repaving Over Trenches Opened by Public Service Corporations.....Board of Public Works
- Spiral and Worm Gearing.....Industrial Press-Machinery Publishing Co.
- Spur and Bevel Gearing.....Industrial Press-Machinery Publishing Co.
- Spontaneous Heating of Coal in Storage (Deterioration and).....H. C. Porter and F. K. Ovitz
- Spontaneous Combustion of Coal.....Parr and Kressman
- Standards, Book of.....National Tube Company
- Standard Handbook for Electrical Engineers.....By a Staff of Specialists
- Standard Methods of Gas Testing. Circular of Bureau of Standards.....S. W. Stratton
- Standard Oil Company (The Allegations of), December 30, 1907.
- Statement of the Commissioner of Corporations in Answer to Standards, Photometrical.....A. J. Eijnhoven
- Standard Reduction Factors for Gases..Helon Brooks MacFarland
- Standard Specifications for Cast Iron Pipe and Special Castings.....American Gas Institute
- State Board of Health, Report, Nov. 1913, Dec. 1913, Jan. 1914.
- State and Municipal Regulations for the Quality, Distribution and Testing of Illumination Gas. Circular of the Bureau of Standards, No. 32.....S. W. Stratton
- State Forester, Report of.....G. M. Homans
- State Highways and Indian Basin. Transactions of Commonwealth Club.
- State of New York, Annual Report for Year 1907, Public Service Commission, First District. Vol. I.
- State of New York, Annual Report for Year 1907, Public Service Commission, First District. Vol. II.
- State of New York, Annual Report for Year 1910, Public Service Commission, First District. Vol. I.
- State of New York, Annual Report for Year 1907, Public Service Commission, Second District. Vol. I.
- State of New York, Annual Report for Year 1907, Public Service Commission, Second District. Vol. II.
- State of New York, Second Annual Report for Year 1908, Public Service Commission, Second District. Vol. I.

- State of New York, Second Annual Report for Year 1908, Public Service Commission, Second District. Vol. II. (Uniform System of Accounts.)
- State of New York, Second Annual Report for Year 1908, Public Service Commission, Second District. Vol. III.
- State of New York, Third Annual Report for Year 1909, Public Service Commission, Second District. Vol. I.
- State of New York, Third Annual Report for Year 1909, Public Service Commission, Second District. Vol. II.
- State of New York, Fourth Annual Report for Year 1910, Public Service Commission, Second District. Vol. I.
- State of New York, Fourth Annual Report for Year 1910, Public Service Commission, Second District. Vol. II.
- State of New York, Fourth Annual Report for Year 1910, Public Service Commission, Second District. Vol. III. (Abstracts of Reports of Corporations, Electrical, Gas and Telephone.)
- State of New York, Fifth Annual Report for Year 1911, Public Service Commission, Second District. Vol. I.
- State of New York, Fifth Annual Report for Year 1911, Public Service Commission, Second District. Vol. II.
- State of New York, Public Service Commission, Coney Island and Brooklyn R. R. Co. Re 10 cent Fare on Week Days.
- State of New York, Report of State Engineer and Surveyor. 1900.
- Statement of the Commissioner of Corporations in Answer to the Allegations of the Standard Oil Company.
- Station Meters.....D. McDonald
- Stationary Marine Engines (Diesel).....A. H. Goldingham
- Stationary Steam Engines.....Robt. H. Thurston
- Status of the Gas Producer and of the Internal-Combustion Engine in the Utilization of Fuels.....R. H. Fernald
- Steam and Ammonia, Properties of.....G. A. Goodenough
- Steam Boilers (A Manual of), Their Design, Construction and Operation.....Robt. H. Thurston
- Steam-Boiler Practice, Significance of Drafts in.....Ray and Kreisinger
- Steam-Electric Power Plants.....Frank Koester
- Steam Engine (High-Speed).....H. Keay Pratt
- Steam Engine Indicator.....R. F. Low
- Steam Engine Manual, Tables from Thurston's.....Robt. H. Thurston
- Steam Engines, Stationary.....Robt. H. Thurston
- Steam Engine, A Manual of the. Part II—Design, Construction and Operation.....Robt. H. Thurston
- Steam Engine, A Manual of the. Part I—Structure and Theory.....Robt. H. Thurston
- Steam Engineering.....Wm. R. King
- Steam & Gas Engines, Farm Motors.....Andrey A. Potter
- Steam Pipes, Their Design and Construction.....Wm. H. Booth
- Steam Power Plant, Engineering.....G. F. Gebhardt
- Steam Power Plants, Their Design and Construction.....Henry C. Meyer, Jr.
- Steam Power Plants (Part I).....Charles L. Hubbard
- Steam Power Plants, Test Methods for.....Edward H. Tenney
- Steam Power Stations, Stone and Webster Engineering Corporation, Construction Engineers.
- Steam Pumps, Direct-Acting.....Frank F. Nickel
- Steam Turbine Engineering.....Stevens and Hobart
- Steam Turbines.....Lester G. French
- Steam Turbines.....Frank Foster
- Steaming—Tests of Coals and Related Investigations.....Breckenridge, Kreisinger and Ray
- Steel, The A, B, C of Iron and.....A. O. Backert



- Steel. The Case-Hardening of.....Harry Brearly  
 Steel, The Cementation of Iron and.....Dr. Frederic Giolitti  
 Steel, Distribution by.....Woodall and Parkinson  
 Steel, Electric Furnaces in the Iron and, Industry.....  
 .....Dipl. Ing. W. Rodenhauser  
 Steel, Electric Furnaces for Making Iron and.....  
 .....Dorsey A. Lyon and Robert M. Keeney  
 Steel Frames of Office Buildings, Wind Stresses in the....  
 .....W. M. Wilson and G. A. Maney  
 Steel (Iron and) The Sampling & Chemical Analysis of..  
 .....O. Bauer and E. Deiss  
 Steel (Liquid), Its Manufacture and Cost...Carnegie and Gladwyn  
 Steel Mains for Gas Distribution.....Walter Hole  
 Steel—A Manual for Steel User.....William Metcalf  
 Steel, The Metallurgy of.....Harbord and Hall  
     Vol. I.  
     Vol. II.  
 Steel, Permanent Protection of Iron and.....Maximilian Toch  
 Steel, Tests of Bond Between Concrete and.....  
 .....Duff A. Abrams  
 Steel, Treatment of, Heat..Industrial Press and Pub. Co. 2 copies.  
 Steel, A Treatise on Iron and. Part II.—Materials of En-  
     gineering.....R. H. Thurston  
 Stone, Voids, Settlement and Weight of Crushed..Ira O. Baker  
 Storage Battery Engineering.....Lemar Lyndon  
 Storage (The) of Petroleum Spirit and Carbide of Calcium  
     for the Use of Local Inspectors and Motorists.....  
 .....Major A. Cooper-Key  
 Street Lighting.....Bryant and Hake  
 Street Lighting, Gas.....F. Victor Westermaier  
 Street Pavements and Paving Materials.....Geo. W. Tillson  
 Strength of Beams, Floors and Roofs.....Frank E. Kidder  
 Stresses (Wind) in the Steel Frames of Office Buildings....  
 .....W. M. Wilson and G. A. Maney  
 Strength of Oxyacetylene Welds in Steel, The.....  
 .....Herbert L. Whittemore  
 Structural Engineers' Handbook.....Milo S. Ketchum  
 Studies in Catalysis, Dissertation.....James M. Johnson  
 Studies in Light Production.....R. A. Houston  
 Study of Base and Bearing Plates for Columns and Beams  
 .....N. Clifford Ricker  
 Study of Gases.....Morris W. Travers  
 Study in Heat Transmission.....Clement and Garland  
 Suction Gas.....H. Oswald Haenssger  
 Suction Gas Plants.....C. Alfred Smith  
 Suction Gas Producer, Tests of a.....Garland and Kratz  
 Sugg's Photometers and Gas Testing Apparatus.  
 Sulphite-Pitch Binder, Briquetting Tests of Lignite, with a  
     Chapter on.....Charles L. Wright  
 Sulphur Compound in Gas. Report of Proceedings Before  
     Committee of House of Commons. 1877.  
 Sulphur Content of Fuels, Especially Petroleum Products  
 .....Allen and Robertson  
 Sulphur in Illuminating Gas (Determination of), Bulletin No.  
     20.....R. S. McBride and E. R. Weaver  
 Superheat, Superheating and Their Control....William H. Booth  
 Superintendent's Handbook, The American Gas Engineer's  
     and.....William Mooney  
 Superintendent's (Gas) Pocket Companion for Year 1870.....  
 .....Harris and Brother



- Supply, Self-Instruction for Students in Gas (Elementary and Advanced)..... Mentor  
 Surface Combustion! Lecture at the Annual Convention of the American Gas Institute, St. Louis. 1911.....  
 .....Prof. Wm. A. Bone  
 Surface Combustion Appliances (Design of).....C. E. Lucke  
 Surveying, Treatise on.....John Gummere  
 Switches, Electric, For Use in Gaseous Mines.....  
 .....H. H. Clark and R. W. Crocker  
 System of Engines....Harrisburg Foundry and Machine Works  
 System and Methods (Engineering Office).....J. P. Davies

## T

- Tables for the Computation of Illumination.....William B. King  
 Tables, Engineers' and Mechanics'.....P. Munzinger  
 Tables and Formulas for Engineers, Handbook of.....  
 .....Clarence A. Pierce and Walter B. Carver  
 Tables (Thermodynamics) & Diagrams, Handbook of.....  
 .....Edward Charles Lucke  
 Tables from Thurston's Steam Engine Manual....R. H. Thurston  
 Talk (A) on Arc Lamps.....C. J. Toerring Co.  
 Tank Construction, Gas Holder and.....F. S. Cripps  
 Tanks for Water Works, Towers and.....J. N. Hazlehurst  
 Tar (Coal) and Ammonia.....George Lunge  
 Tar (Coal) Residuals.....Frederick H. Wagner  
 Tar Industry (Coal) The British.....W. M. Gardner  
 Tar (Manufacture of Gas from), Oil and Other Liquid Hydro-carbons.....Wm. Burns  
 Tar Products, Coal Tar Distillation and Working up of....  
 .....Arthur R. Warnes  
 Technical Gas Analysis.....Frank H. Bates  
 Technical Gas Analysis.....Wrinkler and Lunge  
 Technical Gas Analysis, 3rd Edition, July, 1914....George Lunge  
 Technical Gas and Fuel Analysis.....Alfred H. White  
 Technical Methods of Chemical Analysis.....George Lunge  
     Vol. I. Part I.  
     Vol. I. Part II.  
     Vol. III. Part I.  
     Vol. III. Part II.  
 Technical Thermodynamics. Vol. I—Fundamental Laws of Thermodynamics. Theory of Gases.....Dr. Gustar Zeuner  
 Technical Thermodynamics. Vol. II—The Theory of Vapors.....Dr. Gustar Zeuner  
 Technologist's (Petroleum) Pocket Book.....  
     .....Sir Boverton Redwood and Arthur W. Eastlake  
 Technology, Chemical. Vol. I, Part II—Fuels and its Applications.....Ronalds and Richardson  
 Technology, Chemical. Vol. I—Fuels.....Groves and Thorp  
 Technology, Chemical. Vol. II—Lighting... Groves and Thorp  
 Technology, Chemical. Vol. III—Gas Lighting.....  
     .....Groves and Thorp  
 Technology, Chemical. Vol. IV—Electric Lighting Photometry.....Groves and Thorp  
 Technology, International Library of—Gas Supply, Plumbing Materials, Plumbing Work Fixtures.....  
     .....International Text Book Co.

- Technology, Manual of Chemical.....Rudolf Von Wagner  
 Temperature, Influence of on the Strength of Concrete....  
 .....A. B. McDaniel  
 Temperatures (High), Practical Treatise on—Pyrometry.....  
 .....Chas. R. Darling  
 Temperatures, The Measurement of High.....  
 .....Burgess and LeChantelier  
 Test Methods for Steam Power Plants.....Edward H. Tenney  
 Testimony and Arguments in Favor of Water Gas Before the  
 Massachusetts Legislature. 1884.  
 Testimony Fixing Rates, Board of Supervisors. July 1, 1906-  
 June 30, 1907.  
 Testing of Motive Power Engines.....R. Royds  
 Testing, Power Plants.....James Ambroyce Moyer  
 Testing (Practical) of Gas and Gas Meters.....C. H. Stone  
 Tests of Bond between Concrete and Steel.....Duff A. Abrams  
 Tests of Brick Columns and Terra Cotta Block Columns....  
 .....Talbot and Adams  
 Tests, Briquetting.....Charles Wright  
 Tests of Cast-Iron and Reinforced Concrete Culvert Pipe..  
 .....Arthur N. Talbot  
 Tests of Coal and Briquettes as Fuel for House Heating  
 Boilers.....D. T. Randall  
 Tests of Coal and Cupola Tests of Coke, Washing and Cok-  
 ing.....Moldenke, Belden and Delamater  
 Tests of Concrete and Reinforced Concrete Columns.....  
 .....Arthur N. Talbot  
 Tests (Fuel) with Illinois Coal.....  
 .....L. P. Breckenridge and Paul Diserens  
 Tests of Liquid Air Plant.....Hudson and Garland  
 Tests of Nickel-Steel Riveted Joints .....Talbot and Moore  
 Test Papers, Indicators and.....Alfred I. Cohn  
 Tests and Reagents, Chemical and Microscopical..Alfred I. Cohn  
 Tests of Reinforced Concrete Beams—Resistance to Web  
 Stresses. Series 1907-1908.....Arthur N. Talbot  
 Tests of Run-of-Mine and Briquetted Coal in a Locomotive  
 Boiler.....Ray and Kreisinger  
 Tests (Steaming) of Coals and Related Investigations.....  
 .....L. P. Breckenridge, Henry Kreisinger and Walter Ray  
 Tests of a Suction Gas Producer.....Garland and Kratz  
 Test of Three Large Reinforced Concrete Beams.....  
 .....Arthur N. Talbot  
 Tests of Timber Beams.....Arthur N. Talbot  
 Tests of Tungsten Lamps.....Amrine and Guell  
 Tests of Two Types of Tile-Roof Furnaces Under a Water-  
 Tube Boiler.....J. M. Snodgrass  
 Textbook of Gas Manufacture...John Hornby  
 Textbook (A) of Physics.....W. Watson  
 Textbook, Tables, etc.....National Tube Company  
 Theory and Design, Gas Engine .....A. C. Mehrtens  
 Theory (The) of Heat Engines.....William Inchley  
 Theory of the Injector, Practice and.....Strickland Kneass  
 Theromodynamic Tables and Diagrams, Hand Book of.....  
 .....Edward Charles Lucke  
 Thermodynamics (Engineering) New Edition.....  
 .....Charles Edward Lucke and John J. Flather  
 Thermodynamics, Heat and the Principles of, New and Re-  
 vised Edition.....Charles H. Draper  
 Thermodynamics, Technical. Vol. I—Fundamental Laws of  
 Thermodynamics, Theory of Gases.....Dr. Gustar Zeuner

- Thermodynamics, Technical. Vol. II—Theory of Vapors....  
.....Dr. Gustar Zeuner
- Thoughts for Workers. The United Gas Improvement Co..  
.....William F. O'Donnell
- Thurston's Steam Engine Manual, Tables from.....  
.....Robt. H. Thurston
- Timber Beams, Tests of.....A. N. Talbot
- Tinning, Galvanizing and.....W. T. Flanders
- Tool Making (Modern) Methods.....Franklin K. Jones
- Tools, Chucks and Fixtures.....Albert A. Doud
- Towers and Tanks, for Water Works.....J. N. Hazlehurst
- Trade Waste Waters, Their Nature and Disposal.....  
.....Wilson and Calvert
- Transactions of the American Institute of Chemical Engineers.  
Vol. VI. 1913.
- Transactions American Institute of Chemical Engineers.  
Vol. VII. 1914.
- Transaction of the Commonwealth Club—State Highway and  
Indian Basin.
- Transactions, Institution of Gas Engineers. 1908.
- Transmission (The Compression and) of Illuminating Gas..  
.....Edward A. Rix
- Transmission Calculations.....L. W. Rosenthal
- Transmission of Heat Into Steam Boilers....Kreisinger and Ray
- Transmission, Electric Power.....Louis Bell
- Transmission, High Tension Power. Vols. I and II. American  
Institute Electrical Engineers.
- Transmission Lines, Mechanical Stresses in.....A. Guell
- Transmission, Long Distance Electric Power.....  
.....Rollin W. Hutchinson
- Transportation (The) of Gases, Liquids and Solids..Oskar Nagel
- Transportation of Petroleum, Report of the Commissioner of Cor-  
porations on the. May 2, 1906.
- Trautwine's Engineer's Pocketbook. 1906.
- Treasury Annual Report, 1899—Coast and Geodetic Survey, Supt.
- Treatise (A) on Brasses, Bronzes and Other Alloys. Part III.  
.....Robt. H. Thurston
- Treatise (A) on Chemistry. Vol. I.—The Non-Metallic Ele-  
ments.....Roscoe and Schorlemmer
- Treatise (A) on Chemistry. Vol. II.—The Metals.....  
.....Roscoe and Schorlemmer
- Treatise (A) on Coal Gas. London. 1877.....William Richards
- Treatise on Coal Gas. London, 1878. Vols. I, II and III....  
.....King
- Treatise on Design and Construction Mill Buildings.....  
.....Henry Grattan Tyrrell
- Treatise on Design and Construction of Roofs.....  
.....Rucker N. Clifford
- Treatise (An Elementary) on Coal Gas.....P. Munzinger
- Treatise (A) on Friction and Lost Work in Machinery and Mill  
Work.....Robt. H. Thurston
- Treatise on Gas Lighting, A Practical. 1841....Thos. S. Peckston
- Treatise on Gas Light, A Practical. 1st edition, 1815. The  
First Practical Treatise on the Subject....Frederick Accum
- Treatise on Gas Light, A Practical.....Frederick Accum  
Vol. I.—1818. Vol. II.—1819.
- Treatise on Gas and Ventilation, Practical.....E. E. Perkins
- Treatise (A) on Iron and Steel. Part II.—Materials of Engi-  
neering.....R. H. Thurston
- Treatise (A) on Light.....R. A. Houston

- Treatise on the Manufacture and Distribution of Coal Gas, A  
Practical. London, 1841. 1st edition, with list of subscrib-  
ers.....Samuel Clegg, Jr.
- Treatise (A) on Masonry Construction.....Ira O. Baker
- Treatise (A) on Non-Metallic Materials of Engineering. Part I.  
.....R. H. Thurston
- Treatise (A) on Petroleum. Vols. I, II and III.....  
.....Sir Boverton Redwood
- Treatise (A Popular) on the Colloids in the Industrial Arts...  
.....Prof. Dr. Kurt Arndt
- Treatise (Practical) on Coal, Petroleum and Other Distilled  
Oils.....Abraham Gesner
- Treatise (Practical) on Foundations.....W. M. Patton
- Treatise (Practical) on Manufacture and Distribution of Coal  
Gas.....Samuel Clegg, Jr.  
1st Edition, 1841. 3rd Edition, 1859.  
2nd Edition, 1853. 5th Edition, 1868.
- Treatise (A Practical) on the "Otto" Cycle Gas Engine.....  
.....William Norris
- Treatise (Practical) on Foundations.....W. M. Patton
- Treatise (A) on the Purification of Coal Gas.....R. P. Spice
- Treatise (A) on Roads and Pavements.....Ira O. Baker
- Treatise on Surveying.....John Gummere
- Trees (Shade). Massachusetts Agricultural Experiment Sta-  
tion.....Start, Stone and Fernald
- Troubles and Installation, Gas Engine.....J. B. Rathbun
- Tube (Water) Boilers.....E. Keeler Company
- Tungsten Lamps (Tests of).....T. H. Amrine and A. Guell
- Tunneling.....Eugene Lauchli
- Turbine, The Gas.....Norman Davey
- Turbine, The Gas.....H. H. Suplee
- Turbine, The Gas.....Hans Holzwarth
- Turbines, Steam.....Frank Foster
- Turbines, Steam.....Lester G. French
- Turbine (Steam) Engineering.....Stevens and Hobart
- Turning and Boring.....Franklin D. Jones
- Twentieth Century Book of Recipes, Formulas and Processes  
.....Henley
- Twenty Years with the Indicator.....Thomas Pray, Jr.

## U

- Union Investment Co. vs. S. F. G. & E. Co.....  
.....Supreme Court of the State of California
- Unit Coal and the Composition of Coal Ash.....Parr and Wheeler
- United Gas Improvement Co.—Specifications for House Piping.
- United Gas Improvement Co.—Thoughts for Workers.....  
.....W. F. O'Donnell
- United (The) Otto System of By-Product Coke Ovens.....  
.....United Gas & Coke Co.
- Unnecessary Losses in Firing Fuel Oil and an Automatic Sys-  
tem for Eliminating Them.....C. R. Weymouth
- U. S. Coals Available for Export Trade.....Van E. Manning
- U. S. Department of Agriculture Forest Service—The Use of  
the National Forests. 1907.

U. S. Geological Survey—

- 3rd Annual Report, 1881-1882.
- 4th Annual Report, 1882-1883.
- 5th Annual Report, 1883-1884.
- 6th Annual Report, 1884-1885.
- 7th Annual Report, 1885-1886.
- 8th Annual Report, 1886-1887. Parts I and II.
- 9th Annual Report, 1887-1888.
- 10th Annual Report, 1888-1889. Part II.
- 11th Annual Report, 1889-1890. Parts I and II.
- 12th Annual Report, 1890-1891. Parts I and II.
- 13th Annual Report, 1891-1892. Parts I and II.
- 14th Annual Report, 1892-1893. Parts I and II.
- 15th Annual Report, 1893-1894.
- 17th Annual Report, 1895-1896. Parts I, II and III.
- 18th Annual Report, 1896-1897. Parts I, II, III and V.
- 19th Annual Report, 1897-1898. Parts I, II, III, IV, V, VI.
- 20th Annual Report, 1898-1899. Parts IV and VII.
- 21st Annual Report, 1899-1900. Parts I, II, IV, VI, VII.
- Annual Report, 1909. Parts I and II.
- Use (The) of the National Forests, 1907—U. S. Department of Agriculture Forest Service.
- Use (The) of Mice and Birds for Detecting Carbon Monoxide After Mine Fires and Explosions.....Geo. A. Burrell
- Utilities, Public.....Hammond V. Hayes
- Utilities (Public) Their Cost and Depreciation.....Hammond V. Hayes
- Utility Regulation, Accounting Under. Lecture at University of California.....John A. Britton
- Utilization of Atmospheric Nitrogen.....Thomas A. Norton
- Utilization of Fuel in Locomotive Practice.....W. F. M. Goss
- Utilization of Gas Appliances.....National Commercial Gas Association Course
- Utilization (The) of Petroleum and Natural Gas in Wyoming.....W. R. Calvert
- Utilization of Waste Products.....Dr. Theodor Koller
- Utilization of Wood Waste by Distillation.....Walter B. Harper

V

- Valuation (The) of Gas, Electricity and Water Works for Assessment.....F. and W. Newbigging
- Valuation of Oxide of Iron and Lime for Purposes of Gas Purification, the Analysis.....H. L. Greville
- Valuation of Public Service Corporations. Legal and Economic Phases of Valuation for Rate Making and Public Purchase.....Robert H. Whitten
- Valuation of Public Utility Properties.....Henry Floy
- Valuation of Properties, Detail of Costs. Argument of Pacific Gas & Electric Co. Before Board of Supervisors.
- Valuations, Estimates and.....Jesse F. Scott
- Value (The Hygienic) of Gas Lighting.....R. F. Pierce
- Valve Gears.....Charles H. Fessenden
- Valves and Valve Gears. Vol. II.....Franklin DeRonde Furman
- Valves and Valve Setting, Link Motion.....Fred H. Colvin
- Van Nostrand's Chemical Annual, 1913....Edited by John C. Olsen



Vapors—The Theory of Technical Thermodynamics (Fundamental Laws of). Vol. II.....Dr. Gustar Zeuner  
 Varnishes, Mixed Paints, Color Pigments and....Holley and Ladd  
 Ventilation, Elements of Heating and.....Arthur M. Green, Jr.  
 Ventilation and Heating.....John S. Billings  
 Ventilation (Heating and) Plants. (Part II).....  
 .....Charles L. Hubbard  
 Ventilation, Practical Treatise on Gas and.....E. E. Perkins  
 Ventilation in Its Relation to Health.....William G. Snow  
 Voids, Settlement and Weight of Crushed Stone.....Ira O. Baker  
 Volatile (The) Matter of Coal.....Porter and Ovitz

## W

Washing and Coking Tests of Coal.....  
 .....Belden, Delamater, Groves and Way  
 Washing and Coking Tests of Coal and Cupola Tests of Coke.  
 .....Moldenke, Belden and Delamater  
 Waste of Oil and Gas in the Mid-Continent Fields.....  
 .....Raymond S. Blatchley  
 Waste Products, Utilization of.....Dr. Theodor Koller  
 Waste Waters, Trade—Their Nature and Disposal.....  
 .....Wilson and Calvert  
 Wastes in the Production and Utilization of Natural Gas and  
 Means for Their Prevention.....Arnold and Clapp  
 Wasting Assets, Depreciation and.....P. D. Leake  
 Water Analysis.....J. Alfred Wanklyn  
 Water (Auxiliary) Supply System for Fire Protection for San  
 Francisco, California.....Marsden Manson  
 Waters, Boiler.....William Wallace Christie  
 Water (Fuel) and Gas Analysis.....John B. C. Kershaw  
 Water Gas Before the Massachusetts Legislature. 1884.—Testi-  
 mony and Arguments in Favor of.  
 Water Gas, Report of Hearing Before Committee on Manufacture.  
 1884. Massachusetts.  
 Water Gas, Report of Hearing Before Committee on Manufacture.  
 1886. Massachusetts.  
 Water and Gas, Law Relating to.....John Shiress Will  
 Water Gas, The Manufacture of. Lecture delivered at the Uni-  
 versity of California.....E. C. Jones  
 Water in Irrigation, The Use of.....Elwood Mead  
 Water in Petroleum and Its Products (Methods for the Deter-  
 mination of).....Irving C. Allen and Walter A. Jacobs  
 Water Power, Development and Electrical Distribution of....  
 .....Lamar Lyndon  
 Water Power (Public Benefits Derived from) in California....  
 .....John Martin  
 Water Power Engineering.....Daniel W. Mead  
 Water Resources of California. Part II.—Stream Measure-  
 ments in San Joaquin River Basin.....McGlashan and Dean  
 Waters, Trade Waste—Their Nature and Disposal.....  
 .....Wilson and Calvert  
 Water Tube Boilers.....E. Keller Company  
 Water Works for Assessment, The Valuation of Gas, Elec-  
 tricity and.....T. and W. Newbigging  
 Water Works, Towers and Tanks for.....J. N. Hazlehurst

- Waxes (Solvents, Oils, Gums) and Allied Substances.....Frederic S. Hyde  
 Weathering (The) of Coal. Series 1909.....Parr and Wheeler  
 Weathering of Pittsburg Coal Bed at the Experimental Mine  
 near Bruceton, Pa.....Horace C. Porter and A. C. Fieldner  
 Welding, Applied Electrochemistry and.....Chas. F. Burgess and Geo. W. Cravens  
 Welding (Autogenous) A Practical Manual of.....R. Granjon and P. Rosemberg  
 Welding (Instructions on) and Cutting of Metals, Oxyacetylene  
 Process.....Vulcan Process Co.  
 Welding, Theory, Practice, Apparatus and Tests.....Richard Hart  
 Welds (Oxy-Acetylene) in Steel, the Strength.....Herbert L. Whittemore  
 Wells (Oil and Gas) Proposed Regulations for Drilling.....O. P. Hood and A. G. Heggem  
 Wells (Drilling) in Oklahoma by the Mud-laden Fluid Method  
 .....A. G. Heggem and J. A. Pollard  
 Wells (Oil and Gas) Through Workable Coal Beds....G. S. Rice  
 Welsbach Company—Photographs Using Gas Arcs.  
 Western Gas Association—  
     Proceedings, 1887-1891.      Proceedings, 1899-1902.  
     Proceedings, 1892-1895.      Proceedings, 1903-1905.  
     Proceedings, 1896-1898.      Proceedings, 1906.  
 Westfield Gas and Electric Light Works. 14th Annual Report of  
 1913.  
 Wind Stress in the Steel Frames of Office Buildings.....W. M. Wilson and G. A. Maney  
 Wiring and Distribution, Alternating Current.....William LeRoy Emmet  
 Wiring of Finished Buildings.....Terrell Croft  
 Wisconsin Railroad Commission Reports. Vol. I. July 1905-July  
 1907.  
 Wood—Mechanical Properties of.....Samuel J. Record  
 Wood Waste—The Utilization by Distillation....Walter B. Harper  
 Work, Estimating the Cost of.....William B. Ferguson  
 Workers (Dangers to) from Dusts and Fumes and Methods of  
 Protection.....U. S. Department of Labor  
 Works (Gas)—Their Arrangement, Construction, Plant and  
 Machinery.....Frederick Colyer  
 Works (The Granton Gas), Edinburgh—Their Design, Con-  
 struction and Equipment.....W. R. Herring  
 Works (Small Gas), Construction and Management.....N. C. Humphreys  
 Works (Gas) Chemistry.....Dr. H. B. Harrop  
 Worm Gearing, Spiral and, Industrial Press.....Machinery Publishing Co.

## Z

- Zinc, Gold, Silver, Copper, Lead, in 1910. Extract from Mineral  
 Resources of the United States. Calendar Year 1910.  
 Zinc, An Investigation of the Strength of Rolled.....Herbert F. Moore

# PACIFIC COAST GAS ASSOCIATION LIBRARY

## AUTHORS

### A

- Abady, Jacques.....Gas Analyst's Manual  
Abrams, Duff A. ....Tests of Bond Between Concrete and Steel  
Accum's (Frederick) Description of the Process of Manufacturing Coal Gas. Vol. I. 1815.  
    The first practical treatise on the subject, first edition.  
Accum's Practical Treatise on Gas Light. 1818.  
Accum's Practical Treatise on Gas Light. 1819.  
Adams, Clement and Haskins.....  
    .....Essential Factors in the Formation of Producer Gas  
Allen, Horace.....Modern Power Gas Producer Practice  
Allen, Irving C. ....  
    ..Preparation (The) of Specifications for Petroleum Products  
Allen, Irving C. ....  
    Purchase of Fuel Oil for the Government with the Directions for Sampling Oil and Natural Gas.  
Allen and Burrell.....  
    Liquefied Products from Natural Gas, Their Properties and Uses.  
Allen, Irving C. ....Problems of Petroleum Industry  
Allen and Bursley.....Heat Engines  
Allen and Jacobs.....  
    Methods for the Determination of Water in Petroleum and Its Products.  
Allen, Jacobs, Crossfield and Matthews.....  
    Physical and Chemical Properties of the Petroleums of California.  
Allen and Robertson.....  
    Methods of Determining the Sulphur Content of Fuels, Especially Petroleum Products.  
Allen's Digest of U. S. Patents of Air, Caloric, Gas and Oil Engines and Other Internal Combustion Engines.  
    Vol. I. Plates. A. D. 1789-1905.  
    Vol. II. Plates. A. D. 1789-1905.  
    Vol. III. Claims. A. D. 1789-1905.  
    Vol. IV. Claims. A. D. 1789-1905.  
    Vol. V. Index.  
Allen, Irving C. ....  
    .....Heavy Oil as Fuel for Internal-Combustion Engines  
Allen, Irving C., and W. A. Jacobs.....  
    Physical and Chemical Properties of the Petroleums of the San Joaquin Valley of California, with a Chapter on Analyses of Natural Gas from the Oil Fields of Southern California by G. A. Burrell.  
American Gas Institute, Report of New Business Methods to the. 1906.

American Gas Institute, Report of Public Policy Committee, Oct. 1907.

American Gas Institute Proceedings—

|                 |                         |
|-----------------|-------------------------|
| Vol. I. 1906.   | Vol. V. 1910.           |
| Vol. II. 1907.  | Vol. VI. Part I. 1911.  |
| Vol. III. 1908. | Vol. VI. Part II. 1911. |
| Vol. IV. 1909.  | Vol. VII. 1912.         |

American Gas Institute—Lectures at Centenary Celebration of the First Commercial Gas Company.

American Gas Light Association Meetings—

|                       |                       |
|-----------------------|-----------------------|
| Proceedings, Vol. 1.  | Proceedings, Vol. 12. |
| Proceedings, Vol. 2.  | Proceedings, Vol. 13. |
| Proceedings, Vol. 3.  | Proceedings, Vol. 14. |
| Proceedings, Vol. 4.  | Proceedings, Vol. 15. |
| Proceedings, Vol. 5.  | Proceedings, Vol. 16. |
| Proceedings, Vol. 6.  | Proceedings, Vol. 17. |
| Proceedings, Vol. 7.  | Proceedings, Vol. 18. |
| Proceedings, Vol. 8.  | Proceedings, Vol. 19. |
| Proceedings, Vol. 9.  | Proceedings, Vol. 20. |
| Proceedings, Vol. 10. | Proceedings, Vol. 21. |
| Proceedings, Vol. 11. | Proceedings, Vol. 22. |

American Gas Light Association, Index of—

|                      |                      |
|----------------------|----------------------|
| Proceedings, Vol. 1. | Proceedings, Vol. 5. |
| Proceedings, Vol. 2. | Proceedings, Vol. 6. |
| Proceedings, Vol. 3. | Proceedings, Vol. 7. |
| Proceedings, Vol. 4. | Proceedings, Vol. 8. |

American Gas Light Association. Report of Committee on Electrolysis. 1906.

American Gas Light Journal—

|                         |                      |
|-------------------------|----------------------|
| January-December, 1874. | January-June, 1906.  |
| January-December, 1875. | July-December, 1906. |
| January-December, 1876. | January-June, 1907.  |
| January-December, 1877. | July-December, 1907. |
| January-December, 1878. | January-June, 1908.  |
| January-December, 1879. | July-December, 1908. |
| January-December, 1880. | January-June, 1909.  |
| January-December, 1881. | July-December, 1909. |
| January-December, 1882. | January-June, 1910.  |
| January-December, 1883. | July-December, 1910. |
| January-December, 1884. | January-June, 1911.  |
| January-December, 1885. | July-December, 1911. |
| January-December, 1886. | January-June, 1912.  |
| January-December, 1887. | July-December, 1912. |
| January-December, 1888. | January-June, 1913.  |
| January-December, 1889. | July-December, 1913. |
| January-December, 1890. |                      |
| January-December, 1891. |                      |
| January-December, 1892. |                      |
| January-December, 1893. |                      |
| January-December, 1894. |                      |
| January-December, 1895. |                      |

American Institute of Chemical Engineers—Transactions. 1913 and 1914.

American Institute Electrical Engineers—High Tension Power Transmission. Vol. I and II.

American Meter Company Gas Engineer's and Superintendent's Pocket Almanac for 1873.

American Meter Company Gas Engineer's and Superintendent's Pocket Almanac for 1874.

American Meter Company Gas Engineer's and Superintendent's Pocket Almanac for 1879.

- American Meter Company Gas Engineer's and Superintendent's Pocket Almanac for 1881.
- American Mechanics' Magazine, Franklin Journal—  
 July, 1827.  
 October, 1827.  
 November, 1827.  
 June, 1831.  
 December, 1827.
- American Society Mechanical Engineers, Proceedings of—The Journal—  
 October, 1910.  
 June, 1912.  
 April, 1913.
- American Steam Gauge and Valve Mfg. Co., 1908, catalogue.
- Amrine and Guell.....Tests of Tungsten Lamps
- Amrine, T. H.....  
 .....Lighting Country Homes by Private Electric Plants
- Andrews, E. R., and J. H. Coste.....  
 .....Fuels, Gaseous, Liquid and Solid
- Antisell, Thomas, M. D.....  
 The Manufacture of Protogenic or Hydrocarbon Oils from Coal and Other Bituminous Substance Capable of Supplying Burning Fluids. New York, 1859.
- Armstrong Cork Company...Nonpareil High Pressure Coverings
- Ardt, Prof. Dr. Kurt.....  
 ...A Popular Treatise on the Colloids in the Industrial Arts.
- Arnold, Brother, M. Sc.....  
 Letter of Petrus Peregrinus on the Magnet, A. D. 1269. Translated by.
- Arnold, Dr. R.....Ammonia and Ammonia Compounds
- Arnold, Ralph, and V. R. Garfias.....  
 .....Methods of Oil Recovery in California
- Arnold and Clapp.....  
 Wastes in the Production and Utilization of Natural Gas and Means for Their Prevention.
- Arnold, Ralph, and V. R. Garfias.....  
 The Prevention of Waste of Oil and Gas from Flowing Wells in California.
- Arthur, William.....New (The) Building Estimator
- Arup, Paul S.....Industrial Organic Analysis
- Askling and Roesler.....  
 .....Internal Combustion Engines and Gas Producers
- Aubert and Rogers.....  
 ....Industrial Chemistry for the Student and Manufacturer
- Aubury, Lewis E.....  
 Mineral Products, County Maps and Mining Laws of California.
- Audel's Gas Engine Manual—A Practical Treatise with Illustrations and Diagrams.

## B

- Backert, A. O.....The A, B, C of Iron and Steel
- Baehr, W. A.....  
 Bulletin (A) on the Care and Operation of Recuperative Benches.



- Baker, Ira O. .... Treatise (A) on Masonry Construction  
Baker, Ira O. .... Treatise (A) on Roads and Pavements  
Baker, Ira O. .... Voids, Settlement and Weight of Crushed Stone  
Baldwin, Wm. J. .... Baldwin on Heating  
Bale, M. Powis. .... Gas and Oil Engine Management  
Barker and White. ....  
.... Coals Available for the Manufacture of Illuminating Gas  
Barnard and Hirshfield, .... Elements of Heat-Power Engineering  
Barrows, William Edward. .... Photometry, Light and Illumination  
Barrows, William Edward. .... Electrical Illuminating Engineering  
Barton, John K. .... Internal Combustion Engines  
Baskerville, Charles. .... Municipal Chemistry  
Bates, Frank H. .... Calorimetry  
Bates, Frank H. .... Technical Gas Analysis  
Bauer, O., and E. Deiss. ....  
.... The Sampling & Chemical Analysis of Iron and Steel  
Belden, A. W. .... Foundry—Cupola Gases and Temperatures  
Belden, A. W. .... Metallurgical Coke  
Belden, A. W., Moldenke and Delamater. ....  
Washing and Coking Tests of Coal, and Cupola Tests of Coke  
Belden, A. W., G. R. Delamater, J. W. Groves and K. M. Way  
Washing and Coking Tests of Coal, at Fuel-Testing Plant,  
Denver, 1909.  
Bell, Louis. .... Art (The) of Illumination  
Bell, Louis. .... Electric Power Transmission  
Bemis, Edward W. ....  
.... Municipal Ownership of Gas in the United States  
Benson, Henry K. .... Industrial Chemistry  
Best, William Newton. .... The Science of Burning Liquid Fuel  
Bilgram, Hugo, and Louis Edward Levy. ....  
.... The Cause of Business Depression  
Billings, John S. .... Ventilation and Heating  
Birchmore, W. H. .... Gas Analysis  
Bjorling, Philip R. .... Briquettes and Patent Fuel  
Blatchey, Raymond S. ....  
.... Waste of Oil and Gas in Mid-Continent Fields  
Boalich, E. S. .... Mineral Production for 1911  
Board of Aldermen of Boston. ....  
Hearings on Petition of the Citizens' Gas Light Co., Nov.  
9, 16, 30 and Dec. 7, 1874.  
Board of Public Works, San Francisco. ....  
Specifications for the Repaving Over Trenches Opened by the  
Public Service Corporations.  
Boiler Maker. ....  
.... Laying Out for Boiler Makers and Sheet Metal Workers  
Board of Supervisors. ....  
.... Testimony Fixing Rate July 1, 1906-June 30, 1907  
Board of Supervisors. ....  
Bids for Bonds, City and County of San Francisco, September  
8, 1908.  
Board of Supervisors. .... Journal—Proceedings, June, 1914  
Bolton, Reginald Pelham. .... An Expensive Experiment  
Booth, William H. .... Superheat, Superheating and Their Control  
Booth, William H. .... Steam Pipes, Their Design and Construction  
Boston Gas Light Company (Petition of) with regard to Carbonic  
Oxide in Illuminating Gas—Hearings on Report of State  
Board of Health, Lunacy and Charity.  
Bone, Prof. Wm. A. ....  
Surface Combustion. Lecture at the Annual Convention of  
the American Gas Institute, St. Louis. 1911.

- Bowditch, W. R. .... The Analysis, Technical Valuation, Purification and Use of Coal Gas. London, 1867.
- Bowen, Eli. .... Coal and Coal Oil or the Geology of the Earth
- Bownocker, J. A. .... Geological Survey of Ohio. Fourth Series. Bulletin No. I, 1903. Oil and Gas.
- Brackett, Cyrus F. .... Electricity in Daily Life
- Brackenbury, C. E. .... Modern Methods of Saving Labor in Gas Works
- Brackenbury, C. E. .... National Engineering and Trade Lectures. British Progress in Gas Works, Plant and Machinery.
- Brame, J. S. S. .... Fuel, Solid, Liquid and Gaseous
- Brearley, Harry. .... The Case-Hardening of Steel
- Breckenridge, L. P., and Paul Diserens. .... Fuel Tests with Illinois Coal
- Breckenridge, Kreisinger and Ray. .... Steaming—Tests of Coals and Related Investigations
- Breckenridge, L. P., and S. B. Flagg. .... Saving Fuel in Heating a House
- Britton, John A. .... Accounting Under Utility Regulation. Lecture delivered at the University of California, 1913.
- Britton, John A. .... Electric Power Development in California
- Brisco, Norris A. .... Economics of Business
- Brislee, F. J. .... An Introduction to the Study of Fuel
- Brooke, T. .... Modern Retort Settings
- Brookline Gas Light Company. .... Why Streets Should Be Lighted with Gas. March, 1881
- Bromley, Chas. H., and A. R. Maujer. .... Fuel Economy and CO<sub>2</sub> Records
- Brother and Harris. .... Gas Superintendent's Pocket Companion for Year 1870
- Brown, J. Campbell. .... A History of Chemistry
- Brown's Directories of American Gas Companies—
- |       |       |
|-------|-------|
| 1906. | 1911. |
| 1907. | 1912. |
| 1908. | 1913. |
| 1909. | 1914. |
| 1910. | 1915. |
- Brownlee, Raymond B. .... Chemistry of Common Things
- Brunswig, Dr. H. .... Explosives
- Bryant, J. M., and H. G. Hake. .... Street Lighting
- Buel and Hill. .... Reinforced Concrete
- Bullard, J. E. .... Instructions to Gas Appliance Salesmen. Gas Age Handbook Series I., Salesmanship.
- Bunsen, Robert. .... Gasometry—Comprising the Lighting, Physical and Chemical Properties of Gases. London, 1857.
- Bureau of Gas, Annual Report, Philadelphia. 1888.
- Bureau of Labor, Bulletin of the. March, 1911.
- Burgess, G. K., and H. Le Chatelier. .... The Measurement of High Temperatures
- Burgess, Chas. F., and Geo. W. Cravens. .... Applied Electrochemistry and Welding. Part I. Part II., Welding.
- Burls, G. A. .... Aero Engines, with a General Introductory Account of the

- Theory of the Internal Combustion Engine.  
Burls, G. A., and D. Clerk.....  
.....The Gas, Petrol and Oil Engine. Vol. II.  
Burns, Wm. ....  
Manufacture of Gas from Tar, Oil and Other Liquid Hydrocarbons.  
Burrell, George A. ....  
The Use of Mice and Birds for Detecting Carbon Monoxide after Mine Fires and Explosions.  
Burrell and Allen.....  
Liquefied Products from Natural Gas, Their Properties and Uses.  
Burrell, G. A., Seibert, F. M., and J. W. Robinson.....  
.....Relative Effects of Carbon Monoxide on Small Animals  
Burrell, Geo. A., and Frank M. Seibert.....  
.....Gases Found in Coal Mines  
Burrell, G. A., and F. M. Seibert.....  
.....Apparatus for the Exact Analysis of Flue Gas  
Burrell, G. A., and F. M. Seibert.....  
.....Apparatus for Gas-Analysis Laboratories at Coal Mines  
Burrell, G. A., and F. M. Seibert.....  
.....Gas Analysis as an Aid in Fighting Mine Fires  
Burrell, George A., and Frank M. Seibert.....  
..Sampling and Examination of Mine Gases and Natural Gas  
Bursley, Joseph A., and John R. Allen.....Heat Engines  
Butler, Edward....Evolution of the Internal Combustion Engine  
Butler, Edward.....Modern Pumping and Hydraulic Machinery  
Butler, Edward.Oil Fuel, Its Supply, Composition and Application  
Butterfield, W. J. A. ....  
Chemistry of Gas Manufacture, The. Vol. I. Materials and Processes. 4th edition. 1907.  
Butterfield and Leeds.....Acetylene, Its Generation and Use  
Byrom and Christopher.....Modern Coking Practice

## C

- Cahill, B. J. S. ....The Cahill Butterfly World Map  
California Blue Book. 1907.  
California Blue Book. 1909.  
California State Agricultural Society, Report of 1908.  
California Bureau of Labor Statistics—  
1907—1908.  
1909—1910.  
1911—1912.  
California Libraries—News Notes of. 1913 and 1914.  
Calvert, W. R. ....  
...The Utilization of Petroleum and Natural Gas in Wyoming  
Calvert and Wilson.....  
.....Trade Waste Waters, Their Nature and Disposal  
Campbell, Strickland and Gill.....  
.....Public Works in the United States of America  
Carnegie, D., assisted by S. C. Gladwyn.....  
.....Liquid Steel, its Manufacture and Cost  
Carpenter, Rolla R. ....Experimental Engineering  
Carpenter and Dieterichs..Experimental Engineering. 7th Edition  
Carpenter and Dieterichs.....Internal Combustion Engines

- Carver, Walter B., and Clarence A. Pierce.....  
 .....Handbook of Tables and Formulas for Engineers  
 Centenary of Gas—Evolution of Gas Lighting and Heating.  
 Chalkley, A. P.....Diesel Engines for Land and Marine Work  
 Challenger, F., and C. K. Tinkler.....  
 Chemistry of Petroleum and its Substitutes (A Practical  
 Handbook).  
 Chamberlin, Rollin Thomas.....Explosive Mine Gases and Dusts  
 Chemical Rubber Company..Handbook of Chemistry and Physics  
 Chemical Society.....  
 Annual Reports, Progress of Chemistry. Vols. I., II., III.,  
 IV., V., VI., VII., VIII., IX., X., XI.  
 Christie, William Wallace.....Boiler Waters  
 Christopher and Byrom.....Modern Coking Practice  
 Church, A. Hamilton....The Science and Practice of Management  
 Circuit Court of U. S., District of State of New York—Decision  
 in Re-Consolidated Gas Company vs. City of New York.  
 City Councils—Philadelphia Manual. 1896-1897.  
 Clapp and Arnold.....  
 Wastes in the Production and Utilization of Natural Gas and  
 Means for Their Prevention.  
 Clark, Daniel Kinnear.....  
 Manual of Rules, Tables and Data for Mechanical Engineers.  
 Clark, H. H. ....Factor of Safety in Mine Electrical Installations  
 Clark, H. H. ....  
 Ignition of Gas by Miniature Electric Lamps with Tungsten  
 Filaments.  
 Clark, H. H. ....Ignition of Gas by Standard Incandescent Lamps  
 Clark, H. H., and R. W. Crocker.....  
 .....Electrical Switches for Use in Gaseous Mines  
 Clegg, Samuel, Jr. ....  
 A Practical Treatise on the Manufacture and Distribution of  
 Coal Gas. Its Introduction and Progressive Improvement.  
 London, 1841. 1st Edition, with list of subscribers.  
 Clegg, Samuel, Jr. ....  
 Practical Treatise on Manufacturing and Distribution of Coal  
 Gas. 2nd Edition. 1853.  
 Clegg, Samuel, Jr. ....  
 Practical Treatise on Manufacture and Distribution of Coal  
 Gas. 3rd Edition, 1859.  
 Clegg, Samuel, Jr. ....  
 A Practical Treatise on the Manufacture and Distribution of  
 Coal Gas. 1868.  
 Clement, J. K., and L. H. Adams and C. N. Haskins.....  
 .....Essential Factors in the Formation of Producer Gas  
 Clement, J. K. ....  
 The Influence of Inert Gases on Inflammable Gaseous Mix-  
 tures.  
 Clement, J. K., and C. M. Garland....Study in Heat Transmission  
 Clement, J. K., and L. . Walker.....  
 An Electrolytic Method of Preventing Corrosion of Iron and  
 Steel.  
 Clerk, Dugald.....The Gas and Oil Engines  
 Clerk, Dugald, and G. A. Burls.....  
 .....The Gas Petrol and Oil Engine. Vol. II.  
 Clewell, Clarence E. ....Factory Lighting  
 Coast and Geodetic Survey—Superintendent, Treasury Annual Re-  
 port, 1899.  
 Cline, McGarvey, J. B. Knapp.Properties and Uses of Douglas Fir  
 Cockin, T. H. ....Coal Mining  
 Cohn, Alfred I. ....Indicators and Test Papers

- Cohn, Alfred I. . . Tests and Reagents, Chemical and Microscopical Collection Gas Exhibit—Scrapbook, being a history of International Gas Congress, P. P. I. E., Feb. 20,-Dec. 4, 1915.
- Colvin, Fred H. . . . . Link Motion
- Colyer, Frederick . . . . . Gas Works—Their Arrangement, Construction, Plant and Machinery.
- Commissioner of Corporation, in Answer to the Allegations of the Standard Oil Company. December 30, 1907.
- Commissioner of Labor, 14th Annual Report. 1899. Water, Gas and Electric Light Plants.
- Commonwealth Club—Transactions of Indian Basin and State Highways.
- Comstock's—Chemistry.
- Cone, Andrew, and Walter R. Johns. . . . . Petrolia, History of Petroleum Congress of Gas Associations of America. Proceedings of 1904.
- Cooper, Thomas . . . . . Some Information Concerning Gas Lights
- Cooper-Key, Major A. . . . . The Storage of Petroleum Spirit
- Cory, C. L. . . . . Rates for Gas Service
- Cory, C. L. . . . . Reasonable Gas Rates and Their Determination
- Cory, C. L., and A. M. Hunt. . . . . Character and Quality of Gas. Joint Report
- Cosgrove, J. J. . . . . Rock Excavating and Blasting
- Coste, J. H. . . . . Calorific Power of Gas
- Coste, J. H., and E. R. Andrews. . . . . Fuels, Gaseous, Liquid and Solid
- Cravath and Lansingh. . . . . Practical Illumination
- Cravens, Geo. W., and Chas. F. Burgess. . . . . Applied Electrochemistry and Welding
- Cressy, Edward. . Discoveries and Inventions of the 20th Century
- Cripps, F. Southwell. . . . . Earliest Works on Gas Lighting
- Cripps, F. S. . . . . Gas Holder and Tank Construction
- Cripps and Pease. . Gas Holders With and Without Guide Framing
- Crissey and Lowenstein. . . . . Centrifugal Pumps
- Crocker, R. W., and H. H. Clark. . . . . Electric Switches for the Use in Gaseous Mines
- Croft, Terrill. . . . . American Electrician's Handbook
- Croft, Terrill. . . . . Wiring of Finished Buildings
- Crosby—Catalogue of Crosby Steam Gauge-Valve Company.
- Crossfield, Allen, Jacobs and Matthews. . . . . Physical and Chemical Properties of the Petroleums of California.
- Crookes, Sir William, and Dr. Ferdinand Fisher. . . . . Translated and Edited Manual of Chemical Technology, Rudolf Von Wagner.

## D

- Dana, Richard T. . . . . Handbook of Construction Plant, Its Cost and Efficiency
- Darling, Chas. R. . . . . Pyrometry—A Practical Treatise on the Measurement of High Temperatures.
- Davey, Norman. . . . . The Gas Turbine
- Davies, John P. . . . . Engineering Office Systems and Methods



- Davis, Chas. A. ....  
 Production and Use of Brown Coal in the Vicinity of  
 Cologne, Germany.
- Davis, Charles A. ... The Uses of Peat for Fuel and Other Purposes
- Dean and McGlashan. ....  
 Water Resources of California. Part II. Stream Measure-  
 ments in San Joaquin River Basin.
- Deiss, E., and O. Bauer. ....  
 .... The Sampling and Chemical Analysis of Iron and Steel
- Delamater, Belden, Groves and Way. ....  
 .... Washing and Coking Tests of Coal
- Delamater, Moldenke and Belden. ....  
 Washing and Coking Tests of Coal and Cupola Tests of Coke.
- Dennis, L. M. .... Gas Analysis
- Dennis, L. M., and Ellen S. McCarthy. ....  
 .... The Determination of Benzine in Illuminating Gas
- Department of Commerce and Labor—Report on the Transporta-  
 tion of Petroleum. 1906.
- Department of the Interior—Compendium. 10th Census of United  
 States. 1880. Part I. and Part II.
- Dibdin, W. J. ....  
 Practical Photometry—A Guide to the Study of the Measure-  
 ment of Light.
- Dibdin, W. J. .... Public Lighting by Gas and Electricity
- Dickey, Charles H. ....  
 .... Obligations Imposed by the Possession of a Franchise
- Diederichs, H. .... Guldner's Internal Combustion Engines
- Diederichs, H. .... Some Notes on Gas Engines
- Diederichs and Carpenter. ... Experimental Engineering. 7th Edition
- Diederichs and Carpenter. .... Internal Combustion Engines
- Diserens and Breckenridge. .... Fuel Tests with Illinois Coal
- Donahue, Daniel D. ....  
 A Treatise on Petroleum and Natural and Manufactured  
 Gases.
- Donkin, Bryan. .... Gas, Oil and Air Engines
- Dow, J. S., and Leon Gaster. ....  
 .... Modern Illuminants and Illuminating Engineering
- Dowd, Albert A. .... Tools, Chucks and Fixtures
- Dowson, J. Emerson, and A. I. Larter. .... Producer Gas
- Draper, Charles H. ....  
 Heat and the Principles of Thermodynamics, New and Re-  
 vised Edition.
- Drechsel, Dr. Phil Edmund. .... Chemical Reactions
- Drury, A. G. .... Accident to Gasholders at Ilkston
- Dubbell, H. .... High Power Gas Engines
- Duncan, Robert Kennedy. .... Some Chemical Problems of Today
- Duncan, Robert Kennedy. .... The Chemistry of Commerce
- Dyke, A. L. .... Dyke's Motor Manual

## E

- Eastlake, Arthur W., and Sir Boverton Redwood. ....  
 .... Petroleum Technologist's Pocket Book
- Eaton, Rev. S. J. M. .... Petroleum, a History of the Oil Region
- Eck, Justus. ....  
 Light, Radiation and Illumination. Translated from the Ger-  
 man of Paul Hogner.

|                                 |  |
|---------------------------------|--|
| Eckel, Edwin C. ....            | Cements, Limes and Plasters  |
| Eckel, Edwin C. ....            | .....Iron Ores, Their Occurrence, Valuation and Control                              |
| Edwards, J. W. ...              | Determination of Ammonia in Illuminating Gas   |
| Elliott, Arthur H. ....         | Apparatus for Rapid Gas Analysis   |
| Elliott, E. L. ....             | .....  |
|                                 | Relation of Illuminating Engineering to Architecture from the Engineer's Standpoint. |
| Ellis, Carleton.....            | .....  |
|                                 | The Hydrogenation of Oils, Catalyzers and Catalysis, and the Generation of Hydrogen. |
| Emmet, William LeRoy.....       | .....  |
|                                 | .....Alternating Current Wiring and Distribution                                     |
| Engineering Index Annual, 1913. |  |
| Erni, Henri.....                | .....  |
|                                 | Coal Oil and Petroleum, Their Origin, History and Chemistry                          |

## F

|  |   |
|--|---|
| Ferguson, William B. ....  | Estimating the Cost of Work   |
| Fernald, R. H. ....  | .....   |
|  | Commercial Trend of the Producer-Gas Power Plant in the United States.                        |
| Fernald, R. H. ....  | .....   |
|  | .....Features of Producer-Gas Power Plant Development   |
| Fernald, Robert Heywood.....   | .....   |
|  | Status of the Gas Producer and of the Internal Combustion Engine in the Utilization of Fuels. |
| Fernald, R. H. ....  | .....   |
|  | .....Producer-Gas Power Plant Development in Europe   |
| Fernald, Robert Heywood.....   | .....   |
|  | Recent Development of the Producer-Gas Power Plant in the United States.                      |
| Fernald, R. H., and C. D. Smith....  | Producer-Gas Investigations   |
| Fernald, Start and Stone.....  | .....   |
|  | Shade Trees—Massachusetts Agricultural Experiment Station                                     |
| Fessenden, Charles H. ....   | .....Valve Gears  |
| Field, John W. ....  | .....   |
|  | Analysis—The Principal Gas Undertakings in England, Scotland and Ireland. 1887.               |
| Fieldner, Arno C. ....   | .....   |
|  | Notes on the Sampling and Analysis of Coal Collected in the Fiscal Year 1911-1913.            |
| Fieldner, A. C., and Horace C. Porter.....   | .....   |
|  | Weathering of Pittsburg Coal Bed at the Experimental Mine Near Bruceton, Pa.                  |
| Fieldner and Stanton.....  | Methods of Analyzing Coal and Coke  |
| First Commercial Gas Company.....  | .....   |
|  | .....Lectures at Centenary Celebration  |
| First Minute Book of the San Francisco Gas Company, 1852, including the Ordinance to provide for lighting the City with Gas, together with the Constitution, By-Laws, and the Records until January 20, 1862, containing many autographs of those connected with the earlier history of gas lighting in San Francisco. |   |
| Fish, John C. L. ....  | Engineering Economics   |

- Fisher, Walter L. .... Alaskan Coal Problems  
 Flagg, Samuel B. ... City Smoke Ordinances and Smoke Abatement  
 Flanders, W. T. .... Galvanizing and Tinning  
 Flather, John J., and Charles Edward Luke.....  
 .....Engineering Thermodynamics. New Edition  
 Floy, Henry .....High Tension Underground Electric Cables  
 Floy, Henry.....Valuation of Public Utility Properties  
 Foster, Frank.....Steam Turbines  
 Foster, Horatio A. ....Electrical Engineer's Pocketbook  
 Francis and Parr.....  
 Modification of Illinois Coal by Low Temperature Distillation  
 Franklin, William Suddards.....Electric Lighting  
 Franklin Institute, Journal of—  
     Vol. I. July, 1912. .... Oct., 1827.  
     Vol. II. Aug., 1912. .... Nov., 1827.  
     Vol. III. Sept., 1912. .... Dec., 1827.  
                     July, 1827. .... June, 1831.  
 Franzen, Dr. Hartwig.....Exercises in Gas Analysis  
 Frazer, J. C. W., E. J. Hoffman and L. A. Schall, Jr.....  
 .....Laboratory Study of Inflammability of Coal Dust  
 Frazer, J. C. W., and E. J. Hoffman.....  
     Apparatus and Methods for Sampling and Analysis of Furnace  
     Gases.  
 Frazer and Hoffman.....Constituents of Coal Soluble in Phenol  
 Frazer, J. C. W., Axel Larsen, Frank Haas and Carl Schalz  
 .....The Explosibility of Coal Dust  
 Freitag, Joseph Kendall....Fire Protection and Fire Prevention  
 French, Lester G. ....Steam Turbines  
 Fresenius, Dr. C. Remigius.....  
 .....Manual of Qualitative Chemical Analysis  
 Fulton, John .....Coke  
 Fulton, Charles H. ....Metallurgical Smoke  
 Fulweiler, F. H., and A. F. Kunberger.....  
 .....New Facts About Gas Purification (Ferric Oxide)  
 Furman, Franklin DeRonde.....  
     Valves and Valve Gears. Series Vol. II. Gasoline, Gas and  
     Oil Engines.  
 Frye, Albert I. ....Civil Engineers' Pocketbook

## G

- Galloway, J. D. ....Gas Fitters' and Plumbers' Guide  
 Ganz, Albert F. ....Electrolysis from Stray Current  
 Gardiner, W. H., Jr. ....  
     The Making of Rates and the "Additional Business" system  
     of Costs.  
 Gardner, W. M. ....The British Coal-Tar Industry  
 Garfias, V. R., and Ralph Arnold.....  
 .....Methods of Oil Recovery in California  
 Garland and Clement.....Study in Heat Transmission  
 Garland and Hudson.....Tests of Liquid Air Plant  
 Garland and Kratz.....Tests of a Suction Gas Producer  
 Gas Age (The). Formerly Progressive Age. April 15, 1913.  
 Gas Association—  
     Illinois. Proceedings, 3rd and 4th Meetings. 1907-1908.  
     Illinois. Proceedings, 5th Meeting. 1909.

- Indiana. Proceedings, 4th Meeting. 1912.  
Indiana. Proceedings, 5th Meeting. 1913.  
Iowa. Proceedings, 1st Annual Meeting. 1906-1910.  
Iowa. Proceedings, 8th Annual Meeting. 1911-1912.  
Michigan. Proceedings, Annual Meeting. 1905-1906-1907.  
National Commercial. Proceedings. January-December, 1908.  
National Commercial. Proceedings. December, 1910.  
National Commercial. Proceedings. October, 1911.  
New England. Proceedings, 36th, 37th and 38th Annual Meetings. 1906, 1907, 1908.  
New England. Proceedings, 39th and 40th Annual Meetings. 1909, 1910.  
Ohio. Proceedings, 17th Annual Meeting. 1901-02-03.  
Ohio. Proceedings, 20th Annual Meeting. 1904.  
Ohio. Proceedings, 21st Annual Meeting. 1905.  
Ohio. Proceedings, 22nd Annual Meeting. 1906.  
Ohio. (The Question Box, 1906.)  
Pacific Coast. Proceedings, Vol. I. 1893-1897.  
Pacific Coast. Proceedings, Vol. II. 1898.  
Pacific Coast. Proceedings, Vol. III. 1899-1900.  
Pacific Coast. Proceedings, Vol. IV. 1901-1902.  
Pacific Coast. Proceedings, Vol. V. 1903-1904.  
Pacific Coast. Proceedings, Vol. VI. 1905-1906.  
Pacific Coast. Proceedings, Vol. VII. 1907-1908.  
Pacific Coast. Proceedings, Vol. VIII. 1909-1910.  
Pacific Coast. Proceedings, Vol. IX. 1911-1912.  
Southern. Proceedings, 1st Annual Meeting. 1909.  
Southern. Proceedings, 4th Annual Meeting. 1912.  
Southwestern Electrical. Proceedings, 6th Annual Convention. 1910.  
Southwestern Electrical. Proceedings, 7th Annual Convention. 1911.  
Western. Proceedings. 1887-1891.  
Western. Proceedings. 1892-1895.  
Western. Proceedings. 1896-1898.  
Western. Proceedings. 1899-1902.  
Western. Proceedings. 1903-1905.  
Western. Proceedings. 1906-1908.  
Gas and Electric Light Commissioners' Annual Report—  
1st, 1886. 16th, 1901.  
3rd, 1888. 17th, 1902.  
4th, 1889. 18th, 1903.  
5th, 1890. 19th, 1904.  
7th, 1892. 20th, 1905.  
9th, 1894. 21st, 1906.  
10th, 1895. 22nd, 1907.  
11th, 1896. 23rd, 1908.  
12th, 1897. 24th, 1909.  
13th, 1898. 25th, 1909.  
14th, 1899. 26th, 1910.  
15th, 1900. 27th, 1911.  
28th, 1913.  
Gas Engine Publishing Company.....  
.....Questions and Answers from the Gas Engine  
Gas Engineer's Diary and Textbook. 1880.  
Gas Industry (The)—Heat, Light and Power—  
January-December, 1911.  
January-December, 1912.  
January-June, 1913.  
Gas Machinery Company.....  
.....Ammonia Liquor Concentrators and Ammonia

- Gas Machinery Company....Bulletins Coal and Water Gas Works  
Gas World—  
 April-June, 1906. January-June, 1910.  
 July-December, 1906. July-December, 1910.  
 January-June, 1907. January-June, 1911.  
 July-December, 1907. July-December, 1911.  
 January-June, 1908. January-June, 1912.  
 July-December, 1908. July-December, 1912.  
 January-June, 1909. January-June, 1913.  
 July-December, 1909.
- Gaster, Leon, and J. S. Dow.....  
 .....Modern Illuminants and Illuminating Engineering
- Gebhardt, G. F.....Steam Power Plant Engineering
- Gerhard, Wm. Paul.....American Practice of Gas Lighting
- Gesner, Abraham.....  
 A Practical Treatise on Coal, Petroleum and Other Distilled  
 Oils. New York, 1861.
- Gilbert, Humphrey, Sewell and Soule.....  
 .....San Francisco Earthquake and Fire of April 18, 1906
- Gilbreth, Frank B.....Motion Study
- Gill, Augustus H.....Engine-Room Chemistry
- Gill, Augustus H.....Gas and Fuel Analysis for Engineers
- Gill, Strickland and Campbell.....  
 .....Public Works in the United States of America
- Gillet, H. W. and A. B. Norton.....  
 Approximate Melting Points of Some Commercial Copper  
 Alloys.
- Gillette, Halbert P.....Handbook of Cost Data
- Giolitti, Dr. Frederic.....The Cementation of Iron and Steel
- Godinez, F. Laurent.....Display Window Lighting
- Goldingham, A. H.....Marine and Stationary Diesel Engines
- Goldingham, A. H.....The Gas Engine in Principle and Practice
- Goodenough, G. A.....Properties of Steam and Ammonia
- Goodman, John.....Mechanics Applied to Engineering
- Goodwin, Wm. Wallace..Directory of Gas Light Companies. 1873.
- Goodwin, William W.....  
 Quantitative Estimation of Ammonia and Sulphur in Coal Gas
- Goodyear, W. A.....Coal Mines of the Western Coast
- Goss, W. F. M.....  
 Comparative Tests of Run-of-Mine and Briquetted Coal on  
 Locomotives.
- Goss, W. F. M.....High Steam Pressure in Locomotive Service
- Goss, W. F. M.....Utilization of Fuel in Locomotive Practice
- Government—Purchase of Coal by the, with Analyses of Coal  
 Delivered for Years 1908-09.
- Grafton, Walter.....  
 The City and Guilds of London Institute's Examination in  
 Gas Manufacture.
- Grafton, Walter.....A Handbook of Practical Gasfitting
- Graham, David A.....  
 .....Comparative Commercial Value of Gas Coals and Cannels
- Granjon, R. and P. Rosemberg.....  
 A Practical Manual of Autogenous Welding (Oxy-Acetylene)
- Greene, Arthur M., Jr.....Elements of Heating and Ventilation
- Greene, Arthur M., Jr.....Heat Engineering
- Greene, Arthur M., Jr.....Pumping Machinery
- Greville, H. Leicester.....  
 Analysis and Valuation of Oxide of Iron and Lime for Pur-  
 poses of Gas Purification.
- Grossman, J.....Ammonia and Its Compounds



*Page eighty-eight*

- Groves, Belden, Delamater and Way.....  
.....Washing and Coking Tests of Coal  
Groves and Thorp.....Chemical Technology  
Vol. I. Fuels.  
Vol. II. Lighting.  
Vol. III. Gas Lighting.  
Vol. IV. Electric Lighting, Photometry.  
Grunsky, C. E.....  
Appraisal of Public Service Properties as a Basis for Regula-  
tion of Rates.  
Guell, A.....Mechanical Stresses in Transmission Lines  
Guell and Amrine.....Tests for Tungsten Lamps  
Guldner, Hugo..Design and Construction of Internal Combustion  
Gummere, John.....Treatise on Surveying  
Guyot, Yves.....Where and Why Public Ownership Has Failed  
Gwynne, Harris.....Hydrocarbon Gas Process

## H

- Haeder, Herman, W. M. Huskisson..Handbook on the Gas Engine  
Haenssger, H. Oswald.....Suction Gas  
Hager, Dorsey.....Practical Oil Geology  
Hake, H. G. and J. M. Bryant.....Street Lighting  
Hall, Wm. H.....  
Report of Irrigation Development in France, Italy and Spain  
Hall and Munroe.....Primer on Explosives for Coal Mines  
Hamilton, Alice.....  
.....Lead Poisoning in the Smelting and Refining of Lead  
Harbord, F. W., and J. W. Hall.....The Metallurgy of Steel  
Part I. Metallurgy.  
Part II. Mechanical Treatment.  
Harper, Walter B....Utilization of Wood Waste by Distillation  
Harris, Elmo G.....Compressed Air, Theory and Computations  
Harris and Brother.....  
.....Gas Superintendent's Pocket Companion for Year 1870  
Harrisburg Foundry and Machine Works—System of Engines  
and Products.  
Harrison, Shickle & Howard Iron Co.—Illustrated Map Fit-  
tings, Etc.  
Harrop, Dr. H. B.....Gas Works Chemistry  
Hart, Richard....Welding, Theory, Practice, Apparatus and Tests  
Haskins, Clement and Adams.....  
.....Essential Factors in the Formation of Producer Gas  
Hasluck, Paul N.....Practical Gas Fitting  
Haswell, Charles H...Engineers' and Mechanics' Pocketbook, 1905  
Havard, F. T.....Furnaces and Refractories  
Hawkesworth, John.....Reinforced Concrete Design  
Hayes, Hammond V.....  
.....Public Utilities, Their Cost and Depreciation  
Hayes, Hammond V.....  
.....Public Utilities, Their Fair Present Value and Return  
Hays, Jos. W.....Combustion and Smokeless Furnaces  
Hazelhurst, J. N.....Towers and Tanks for Water Works  
Heggem and Hood.....  
..Proposed Regulations for the Drilling of Gas and Oil Wells

- Heggem, A. G., and J. A. Pollard.....  
 ...Drilling Well in Oklahoma by the Mud-laden Fluid Method  
 Hemming, Emile.....Molded Electrical Insulation and Plastic  
 Hempel, Dr. Walther.....Gas Analysis  
 Hendrickson, A. V.....Gas Chemists' Summary, 1913  
 Henley's Twentieth Century Book of Recipes, Formulas and  
 Processes.  
 Henry, Joseph.....  
 An Account of Investigations Relative to Illuminating Ma-  
 terials.  
 Henry, J. T.....Biographical Sketches and History of Petroleum  
 Henry, J. T.....  
 ....History and Romance of the Petroleum Industry. Vol. I.  
 Hern, Dennis J., Supt...Annual Report of Lamp Department, 1906  
 Herring, Walter Ralph.....Construction of Gas Works  
 Herring, W. R.....  
 The Granton Gas Works, Edinburgh. Their Design, Con-  
 struction and Equipment.  
 Hess, H. D.....Machine Design, Hoists, Derricks, Cranes  
 Hill and Buel.....Reinforced Concrete  
 Hills, H. F.....Gas and Gas Fittings  
 Hirshfeld and Barnard.....Elements of Heat-Power Engineering  
 Hirshfeld, C. F., and T. C. Ulbricht.....Gas Power  
 Hiscox, Gardner D.....Gas, Gasoline and Oil Engines  
 Hiscox, Gardner D.....  
 ....Mechanical Movements, Devices and Appliances  
 Hobart and Stevens.....Steam Turbine Engineering  
 Hockenbeamer, A. F.....  
 Affidavit No. 32, P. G. & E. Co. vs. City and County of S. F.  
 Hofman, H. C.....General Metallurgy  
 Hoffman and Frazer.....  
 Apparatus and Methods for Sampling and Analysis of Fur-  
 nace Gases.  
 Hoffman and Frazer.....Constituents of Coal Soluble in Phenol  
 Hogle, Wm. M.....Internal Combustion Engines  
 Holde, Prof. Dr. D.....  
 Examination of Hydrocarbon Oils. Trans. from German by  
 Edward Mueller.  
 Hole, Walter.....The Distribution of Gas  
 Hole, Walter.....The Distribution of Gas. 3rd Edition  
 Hole, Walter.....Steel Mains for Gas Distribution  
 Holley, Clifford Dyer.....  
 ....Analysis of Mixed Paints, Color Pigments and Varnishes  
 Holman, C. L.....  
 Address before Eighth Annual Convention, 1912, N. C. G. A.  
 Holmes & Co., W. C.....  
 ....Instruction for the Management of Gas Works  
 Holmes, Joseph A. (Director)—  
 Bureau of Mines, 1st Annual Report.  
 Bureau of Mines, 4th Annual Report.  
 Holzwarth, Hans.....The Gas Turbine. German and English  
 Homans, G. M.....Report of State Forester of California  
 Hood, O. P., and A. G. Heggem.....  
 Proposed Regulations for the Drilling of Gas and Oil Wells  
 Hood, Rice, and others.....  
 ....Oil and Gas Wells Through Workable Coal Beds  
 Hopkins, Johns, Press Co.....  
 ....Lectures on Illuminating Engineering. Vols. I and II.  
 Hornby, John.....Gas Engineers' Laboratory Handbook  
 Hornby, John.....Textbook of Gas Manufacture  
 House of Commons—Committee, Report of Purification of

Gas from Sulphur Compounds.

- Houston, R. A.....A Treatise on Light  
Houston, R. A.....Studies in Light Production  
Howard Iron Co., Shickle and Harrison—Illustrated Map Fittings, Etc.  
Hubbard, Charles L...Steam Power Plants. (Part I.) 2nd Edition  
Hubbard, Charles L...Heating and Ventilating Plants. (Part II.)  
Hubbard, Charles L. ....  
.....Combined Power and Heating Plants. (Part III.)  
Hudson, C. S., and C. M. Garland....Tests of Liquid Air Plant  
Hughes, Samuel, and O'Connor.....Gas and Gas Works  
Humphreys, Dr. A. C.....  
.....Report of Committee on Nomenclature and Standards  
Humphreys, Dr. A. C.....  
.....Depreciation, Present and Growing Need for General Adoption of a Uniform System of Records and Accounts.  
Humphreys, Dr. Alex C.....Public Service Rate-Making  
Humphreys, Norton C.....  
.....Construction and Management of Small Gas Works  
Humphrey, Gilbert, Sewell and Soule.....  
.....San Francisco Earthquake and Fire of April 18, 1906  
Hunt, Charles.....Birmingham Corporation Gas Undertaking  
Hunt Company, C. W.—Catalogue.  
Hunt, Chas.....A History of the Introduction of Gas Lighting  
Hunt, A. M., and C. L. Cory.....  
.....Character and Quality of Gas. Joint Report  
Hunt, A. M. ....  
.....Report on Cost of Electric Plant for San Francisco  
Huntley, L. G. ....  
.....Possible Causes of the Decline of Oil Wells, and Suggested Method of Prolonging Yield.  
Hutchinson, Rollin W., Jr.....  
.....High Efficiency Electrical Illuminants and Illumination  
Hutchinson, Rollin W.....  
.....Long-Distance Electric Power Transmission  
Hutton, Frederic Remsen.....The Gas Engine  
Hutton, Frederic Remsen.....  
.....The Mechanical Engineering of Power Plants  
Hyde, Frederic S.....  
.....Solvents, Oils, Gums, Waxes and Allied Substances

I

- Ibbatson, Fred, and Leslie Aitchison.....  
.....The Analysis of Non-ferrous Alloys  
Illinois Gas Association Proceedings—  
1907. 1908. 1909.  
Inchley, William.....The Theory of Heat Engines  
Indiana Gas Association—  
4th Annual Meeting, 1912.  
5th Annual Meeting, 1913.  
Institution (The) of Gas Engineers' Transactions. 1908.  
International Library of Technology—Gas Supply, Plumbing  
Materials, Plumbing Work, Fixtures.  
Industrial Press Publishing Co.....Spiral and Worm Gearing  
Industrial Press Publishing Co.....Heat-Treatment of Steel

- Industrial Press Publishing Co.....  
 .....Spur and Bevel Gearing Machinery Handbook  
 Innes, Chas. H.....Blowing Engines and Air Compressors  
 Iowa District Gas Association Proceedings—  
 1906-1910,  
 1911-1912.

## J

- Jackson, D. C., and J. P.....  
 .....Alternating Currents and Alternating Current Machinery  
 Jacobs and Allen.....  
 Methods for the Determination of Water in Petroleum and  
 Its Products.  
 Jacobs, Allen, Crossfield and Matthews.....  
 Physical and Chemical Properties of the Petroleums of Cali-  
 fornia.  
 Jervis-Smith, Rev. Frederick John.....Dynamometers  
 Johns, Walter R., and Andrew Cone.....History of Petroleum  
 Johnson, James M.....Studies in Catalysis  
 Johnson, J. B.....The Materials of Construction  
 Jones, E. C.....  
 Lectures Delivered at University of California—  
 The Manufacture of Oil Gas.  
 The Manufacture of Water Gas.  
 The Manufacture of Coal Gas.  
 The Purification of Coal Gas.  
 The Measurement of Gas.  
 The Manufacture of Gas.  
 Jones, Franklin D.....Diemaking and Die Design  
 Jones, Franklin D.....Turning and Boring  
 Jones, Franklin D.....Planing and Milling  
 Jones, Franklin D.....Modern Tool-Making Methods  
 Jones, Franklin D., and Erik Oberg.....  
 .....Drilling Practice and Jig Design  
 Jones, Forest R.....The Gas Engine  
 Jones, Harry C.....Elements of Physical Chemistry  
 Jones, Harry C.....A New Era in Chemistry  
 Joslyn, Paul L.....  
 .....Energy and Velocity Diagrams of Large Gas Engines  
 Journal of the Association of Engineering Societies, Feb., 1911.  
 Journal of Electricity, Power and Gas—  
 May-December, 1906.      January-June, 1910.  
 January-June, 1907.      July-December, 1910.  
 July-December, 1907.      January-June, 1911.  
 January-June, 1908.      July-December, 1911.  
 July-December, 1908.      January-June, 1912.  
 January-June, 1909.      July-December, 1912.  
 July-December, 1909.      January-June, 1913.  
 Journal of Franklin Institute, American Mechanics' Magazine—  
 July, 1827.      June, 1831.  
 October, 1827.      July, 1912.  
 November, 1827.      August, 1912.  
 December, 1827.      September, 1912.

- Journal of Gas Lighting and Water Supply, London—  
 January-December, 1873.      July-December, 1881.  
 January-June, 1874.      January-June, 1882.  
 July-December, 1874.      July-December, 1882.  
 January-June, 1875.      January-June, 1883.  
 July-December, 1875.      July-December, 1883.  
 January-June, 1876.      January-June, 1884.  
 July-December, 1876.      July-December, 1884.  
 January-June, 1877.      April-June, 1906.  
 July-December, 1877.      July-December, 1906.  
 January-June, 1878.      January-June, 1907.  
 July-December, 1878.      July-December, 1907.  
 January-June, 1879.      January-June, 1908.  
 July-December, 1879.      July-December, 1908.  
 January-June, 1880.      January-June, 1909.  
 July-December, 1880.      July-December, 1909.  
 January-June, 1881.
- Journal, Proceedings of American Society Mechanical Engineers—  
 October, 1910.  
 June, 1912.  
 April, 1913.
- Journal of Gas Lighting, London—  
 January-June, 1910.      January-June, 1912.  
 July-December, 1910.      July-December, 1912.  
 January-June, 1911.      January-June, 1913.  
 July-December, 1911.
- Judson, Wm. Pierson....Road Preservation and Dust Prevention  
 Junge, F. E.....Gas Power  
 Junkers, H.....  
 Investigations and Experimental Researches for the Construc-  
 tion of My Large-Oil-Engine. (Diesel Engine.)  
 Juptner, Hanns—Heat, Energy and Fuels—  
 Manufacture of Coal Gas.  
 Purification of Coal Gas.

## K

- Keech, George C.....Industrial Plant Illumination  
 Keen, F. N.....A Memorandum on the Mond Gas Scheme  
 Keeney, Robert M., and Dorsey A. Lyon.....  
 .....Electric Furnaces for Making Iron and Steel  
 Keep, William J.....Cast Iron  
 Keller Company, E.....Water Tube Boilers  
 Kent, William.....  
 Investigating an Industry. A Scientific Diagnosis of the  
 Disease of Management.  
 Kent's Mechanical Engineer's Pocketbook.  
 Kershaw, J. W.....Elementary Internal Combustion Engines  
 Kershaw, John B. C.....  
 .....Fuel, Water and Gas Analysis for Steam Users  
 Ketchum, Milo S.....Structural Engineers' Handbook  
 Kidder, F. E.....  
 Building Construction and Superintendence. Part III.  
 Trussed Roofs and Roof Trusses.  
 Kidder, Frank E.....Strength of Beams, Floors and Roofs  
 King, William R.....Steam Engineering. (A textbook)



- King's Treatise on the Science and Practice of the Manufacture and Distribution of Coal Gas—  
 Vol. I. Vol. II. Vol. III.  
 Second Set, same as above, 1879.  
 King.....Treatise on Coal Gas, London, 1878. (2 sets)  
 Vol. I. Vol. II. Vol. III.  
 King, William B....Tables for the Computation of Illumination  
 Kneass, Strickland.....Practice and Theory of the Injector  
 Knoepfel, C. E.....Installing Efficiency Methods  
 Koester, Frank.....Hydroelectric Developments and Engineering  
 Koester, Frank.....Steam-Electric Power Plants  
 Koller, Dr. Theodor.....Utilization of Waste Products  
 Koppe, S. W.....Glycerine  
 Kratz and Garland.....Tests of a Suction Gas Producer  
 Kreisinger, Henry.....  
 .....Hand Firing Soft Coal Under Power-Plant Boilers  
 Kreisinger, Breckinridge and Ray.....  
 .....Steaming-Tests of Coals and Related Investigations  
 Kreisinger and Randall.....  
 ....North Dakota Lignite as a Fuel for Power Plant Boilers  
 Kreisinger and Ray.....Flow of Heat Through Furnace Walls  
 Kreisinger and Ray.....  
 .....Significance of Drafts in Steam Boiler Practice  
 Kreisinger and Ray.....  
 Tests of Run-of-Mine and Briquetted Coal in a Locomotive  
 Boiler.  
 Kreisinger and Ray....Transmission of Heat Into Steam Boilers  
 Kressmann, F. W., and S. W. Parr.....  
 .....Spontaneous Combustion of Coal  
 Kunberger, A. F., and F. H. Fulweiler.....  
 .....New Facts About Gas Purification (Ferric Oxide)

## L

- Lancaster, Maud.....Electric Cooking, Heating and Cleaning  
 Lange, K. R.....The By-Products of Coal. Gas Manufacture  
 Lansingh and Cravath.....Practical Illumination  
 Larter and Dowson.....Producer Gas  
 Latta, Nisbet.....American Producer Gas Practice  
 Latta, Nisbet.....  
 .....The Adaption of Gas Power for Central Station Service  
 Latta, Nisbet.....  
 .....Handbook of American Gas Engineering Practice  
 Lauchli, Eugene .....Tunneling  
 Lea, Henry I.....Scientific Gas Rates  
 Leake, P. D.....Depreciation and Wasting Assets  
 Le Chatelier, Henri.....Constitutions of Hydraulic Mortars  
 Le Chatelier, H.....High Temperature Measurements  
 Leeds and Butterfield.....Acetylene, Its Generation and Use  
 Levin, A. M.....Modern Gas Engine and the Gas-Producer  
 Levy, Louis Edward, and Hugo Bilgram.....  
 .....The Cause of Business Depression  
 Lewes, Vivian B.....Liquid and Gaseous Fuels  
 Lewes, Vivian Byam.....Carbonization of Coal  
 Lewes, Prof. Vivian B.....Oil Fuel  
 Lewis, G. P.....Modern Retort Settings

Light—

|                         |                         |
|-------------------------|-------------------------|
| May-December, 1906.     | January-December, 1909. |
| January-December, 1907. | January-December, 1910. |
| January-December, 1908. |                         |

Little, Arthur D.....The Earning Power of Chemistry  
 Lord, L. W.....Analysis of Coals in the U. S.

Part I. Analyses.

Part II. Description of Samples.

Low, R. F.....Steam Engine Indicator

Lowe, Prof. T. S. C.....  
 .....The Latest Development in Aerial Navigation

Lowenstein, L. C., and Clarence P. Crissey....Centrifugal Pumps

Lucke, Charles Edward.....Gas Engine Design

Lucke, Charles E.....Power

Lucke, Charles Edward, and John J. Flather.....

.....Engineering Thermodynamics. New Edition

Lucke, Charles Edward.....

.....Design of Surface Combusting Appliances

Lucke, Charles Edward.....

.....Handbook of Thermodynamic Tables and Diagrams

Luhr, Otto..Mechanical and Refrigerating Engineers' Handy Book

Lunge, George.....Coal Tar and Ammonia

Lunge, George.....

.....Technical Gas-Analysis. Revised Edition. July, 1914

Lunge, George.....Technical Methods of Chemical Analysis

Vol. I, Part I. Vol. II, Part I.

Vol. I, Part II. Vol. II, Part II.

Vol. III, Part I, and Vol. III, Part II.

Lunge and Wrinkler.....Technical Gas-Analysis

Luther, Chas. A.....

.....Illumination of People's Gas Building, Chicago

Lyndon, Lamar.....

....Development and Electrical Distribution of Water Power

Lyndon, Lamar.....Storage Battery Engineering

Lyon, Dorsey A., and Robert M. Keeney.....

.....Electric Furnaces for Making Iron and Steel

## M

MacFarland, Helon Brooks..Standard Reduction Factors for Gases  
 Machinery's Handbook—Industrial Press Publishing Co.

Mackenzie, J. D. (Commissioner)—

13th Biennial Report, Bureau of Labor Statistics, 1907-1908.

14th Biennial, 1909-1910.

Manning, Van E.....

.....United States Coals Available for Export Trade

Mansfield-Merriman.....American Civil Engineer's Pocketbook

Manson, Marsden.....

Auxiliary Water Supply System for Fire Protection of San Francisco.

Manson, Marsden.....

High Pressure Water System, Report of San Francisco, 1908

Marchi, L.....Production et Utilisation des Gas Pauvres

Marks, William D. ....

The Finances of Gas and Electric Light and Power Enterprises

Marks, William D.....Practical Rate-Making and Appraisement

- Marks and Wyer.....Gas and Oil Engines and Gas Producers  
 Part I. Gas and Oil Engines. Lionel S. Marks.  
 Part II. Gas Producers. Samuel S. Wyer.
- Marsh, Charles F.....Reinforced Concrete
- Marshall, Arthur.....  
 Explosives: Their Manufacture, Properties, Test and History
- Martin, Geoffrey.....Chlorine and Chlorine Products
- Martin, Geoffrey.....  
 .....Industrial and Manufacturing Chemistry. (Organic)
- Martin, John.....  
 Public Benefits Derived from Water Power Developments in California.
- Massachusetts Legislature—Report of Hearing of Proposed Amendment of Statutes to Permit the Manufacture of Water Gas, before Joint Standing Committee on Manufactures. 1884 and 1886.
- Mason, Charles J.....Arithmetic of the Steam Boiler
- Matheson, Ewing....Aid Book to Engineering Enterprise Abroad
- Mathot, R. E.....  
 The Construction and Working of Internal Combustion Engines.
- Mathot, R. E.....Modern Gas Engines and Producer Gas Plants
- Matthews, William.....  
 An Historical Sketch of the Origin, Progress and Present State of Gas Lighting. London, 1827.
- Matthews, Allen, Jacobs and Crossfield.....  
 ..Physical and Chemical Properties of the Petroleum of California.
- Maujer, A. R., and Chas. H. Bromley.....  
 .....Fuel Economy and CO<sub>2</sub> Recorders
- Mayer, Frederick.....Dessau Vertical Retort System
- McAdie, Alexander C.....Climate of San Francisco. Bulletin 44
- McAdie, Alexander C.....The Climate of San Francisco
- McBride, R. S., and J. D. Edwards.....  
 .....Lead Acetate Test for Hydrogen Sulphide in Gas
- McBride, R. S., and E. R. Weaver.....  
 .....Determination of Sulphur in Illuminating Gas
- McDaniel, A. B.....  
 .....Influence of Temperature on the Strength of Concrete
- McDonald, Donald.....Station Meters
- McDonald, Donald.....Meters and Meter Makers
- McGlashan, H. D., and H. J. Dean.....  
 Water Resources of California. Part II. Stream Measurements in San Joaquin River Basin.
- McGraw Publishing Co.—Standard Handbook for Electrical Engineers.
- McKenzie, J. D.....  
 Bureau of Labor Statistics of California, 1907-1908, 13th Biennial Report.
- McKenzie, J. D.....  
 Bureau of Labor Statistics of California, 1909-1910, 14th Biennial Report.
- McLaughlin, John P. (Commissioner)—  
 15th Biennial Report of Bureau of Labor Statistics, State of California, 1911-1912.
- McLaurin, John J.....Sketches in Crude Oil
- Mead, Daniel W.....Water Power Engineering
- Mead, Elwood.....Use of Water in Irrigation
- Meade, Richard K.....Portland Cement

- Meeds, A. D. .... Annual Report of Inspector of Gas. City of Minneapolis, Year Ending December 31, 1912.
- Meeker, Royal (Commissioner)..... Dangers to Workmen from Dusts and Fumes and Methods of Protection.
- Mehrtens, A. C. .... Gas Engine Theory and Design
- Mellor, J. W. .... Chemical Statics and Dynamics
- Mentor..... Self-Instruction for Students in Gas Manufacture (Elementary).  
Self-Instruction for Students in Gas Manufacture (Constructional).  
Self-Instruction for Students in Gas Manufacture (Advanced).  
Self-Instruction for Students in Gas Supply (Elementary).  
Self-Instruction for Students in Gas Supply (Advanced).
- Merrill, E. A. .... Electric Lighting Specifications
- Merriman, Mansfield..... Mechanics of Materials
- Metcalf, William..... Steel—A Manual for Steel User
- Meyer, Henry C. Jr. .... Steam Power Plants, Their Design and Construction
- Micheal & Will..... Law Relating to Gas and Water
- Michigan Gas Association—  
Proceedings, 1905.  
Proceedings, 1906.  
Proceedings, 1907.
- Miller, James..... Derrick and Drill, Discovery of Petroleum. Published 1865.
- Mills, Edmund J. .... Destructive Distillation. 4th Edition
- Mills, James E. .... Binders for Coal Briquettes
- Milwaukee Gas Light Co. .... Prices Charged for Gas in Various Cities of the United States from 1885 to 1907, Inclusive.
- Mint ..... Director, Report of Production of Gold and Silver in the United States 1893 and 1894.
- Moldenke, Richard..... Coke Industry of the United States as Related to the Foundry.
- Moldenke, Belden and Delamater..... Washing and Coking Tests of Coal and Cupola Tests of Coke
- Moon, Fred C. .... Gas Engineer's Price Book for Estimates and Valuations
- Mooney, William..... American Gas Engineer and Superintendent's Handbook
- Moore, Herbert F. .... An Investigation of the Strength of Rolled Zinc
- Moore, Herbert F. ... Effect of Keyways on the Strength of Shafts
- Moore, Lieutenant-Colonel E. C. S. .... Notes on the Manufacture and Distribution of Coal Gas
- Moore and Talbot..... Tests of Nickel-Steel Riveted Joints
- Morris, Tasker Co. ... Paschal Iron Works (Illustrated Catalogue)
- Morris, Cullen W. .... Notes on the Operation of Large Carburetted Water Gas Sets.
- Moss, Sanford A. .... Elements of Gas Engine Design
- Moyer, James Ambroise..... Power Plant Testing
- Mueller Catalogue (D).
- Munroe, Charles E., and Clarence Hall..... A Primer on Explosives for Coal Miners

- Munzinger, P. ....Elementary Treatise on Coal Gas. 1875.  
 Munzinger, P. ....Engineers' and Mechanics' Tables  
 Myers, David Moffat..Preventing Losses in Factory Power Plants

## N

- Nagel, Oskar.....Producer Gas Fired Furnaces  
 Nagel, Oskar....The Transportation of Gases, Liquids and Solids  
 National Commercial Gas Association, Educational Series—  
     Industrial Fuel Reference Books.  
         No. 1—The Application of Gas to Dry Room Equipment.  
         No. 2—The Application of Gas to Japanning and Lacquering.  
         No. 4—The Application of Gas to Metal Coloring.  
         No. 5—The Application of Gas to Soft Metal Melting.  
 National Commercial Gas Association.....  
     .....Educational Series. Salesman's Handbook (Desk File)  
 National Commercial Gas Association.....  
     Course 1914. Utilization of Gas Appliances, Part III, Lesson  
     I to X Inclusive.  
 National Commercial Gas Association Proceedings—  
     1908.                      1911.  
     1909.                      1913.  
     1910.  
 National Commercial Gas Association.....  
     .....1909. New Business Report  
 National Commercial Gas Association.....  
     Eighth Annual Convention, December, 1912. Address by  
     President C. L. Holman.  
 National Electric Light Association.....  
     .....Electrical Solicitors' Handbook  
 National Tube Co.....Book of Standards, 1913. Tables, etc.  
 Neill, Chas. P. (Commissioner).....  
     Bulletin 105—Retail Prices and Cost of Living, Series 1890-1911  
     Bulletin 106—Retail Prices and Cost of Living, Series 1890-1912  
 Nelson's Encyclopedia.....Vol. I to Vol. XII Inclusive  
 Nelson Valve Company.....Catalogue 1909, Philadelphia, Pa.  
 Newbigging, Thomas.....Devices for Gas Illuminations  
 Newbigging, Thos. ....  
     Handbook for Gas Engineers and Managers. 7th Edition, 1904  
     Handbook for Gas Engineers and Managers. 8th Edition, 1913  
 Newbigging, F. and W. ....  
     The Valuation of Gas, Electricity and Water Works for  
     Assessment.  
 New England Association of Gas Engineers—  
     Proceedings, 1906.                      Proceedings, 1910.  
     Proceedings, 1907.                      Proceedings, 1911.  
     Proceedings, 1908.                      Proceedings, 1913.  
     Proceedings, 1909.                      Proceedings, 1914.  
 Nickel, Frank F. ....Direct-Acting Steam Pumps  
 Nichols, Edward L. ....Daylight and Artificial Light  
 Nicolls, William Jasper.....Coal Catechism  
 Norris, Henry H. ....  
     .....Introduction to the Study of Electrical Engineering  
 Norris, William.....  
     .....A Practical Treatise on the "Otto" Cycle Gas Engine



- North, S. H. .... Oil Fuel—Its Supply, Composition and Application. (Revised Edition).  
 North, S. H. .. Oil Fuel—Its Supply, Composition and Application  
 Norton, Thomas H. .... Utilization of Atmospheric Nitrogen  
 Norton, A. B., and H. W. Gillett. .... Approximate Melting Points of Some Commercial Copper Alloys.

## O

- Oberg, Erik, and Franklin D. Jones. .... Drilling Practice and Jig Design  
 O'Connor, H. .... The Gas Engineer's Pocketbook  
 O'Connor and Samuel Hughes. .... Gas and Gas Works  
 O'Connor, Henry. .... Petrol, Air-Gas  
 O'Connor, John J. Jr. ....  
 .... The Economic Cost of the Smoke Nuisance to Pittsburgh  
 O'Donnell, William. ....  
 .. Thoughts for Workers. The United Gas Improvement Co.  
 Ohio Gas Light Association—  
     Proceedings, 1901-1902-1903.  
     Proceedings, 1904  
     Proceedings, 1905.  
     Proceedings, 1906.  
     Proceedings, 1907.  
 Ohio Gas Light Association—  
     Question Box. 1905-1906.  
     Question Box. 1906.  
 Olin, H. L., and S. W. Parr. ....  
 .... The Coking of Coal at Low Temperatures  
 Ovitz and Porter. ....  
     Deterioration and Spontaneous Heating of Coal in Storage  
 Ovitz and Porter. .... Escape of Gas from Coal  
 Ovitz and Porter. .... The Volatile Matter of Coal  
 Oxtoby, James V. ....  
     Legal Phases of Central Station Rate Making for Electric Supply.

## P

- Pacific Coast Gas Association. .... "The Purifier." 1904  
 Pacific Coast Gas Association—  
     Proceedings, 1893-1897. Vol. I.  
     Proceedings, 1899. Vol. II.  
     Proceedings, 1899-1900. Vol. III.  
     Proceedings, 1901-1902. Vol. IV.  
     Proceedings, 1903-1904. Vol. V.  
     Proceedings, 1905-1906. Vol. VI.  
     Proceedings, 1907-1908. Vol. VII.  
     Proceedings, 1909-1910. Vol. VIII.  
     Proceedings, 1911-1912. Vol. IX, Vol. X.

- Pacific Gas and Electric Company.....  
 Argument before Board of Supervisors, February 20, 1912.  
 Rates Charged for Electric Energy in 22 Cities of the United States.
- Pacific Gas and Electric Magazine—  
 Vol. I.  
 Vol. II. June, 1910-1911.  
 Vol. III. June, 1911-1912.  
 Vol. IV. June, 1912-1913.
- Paine, Paul M., and B. K. Stroud.....Oil Production Methods
- Palaz .....  
 Industrial Photometry with Special Application to Electric Lighting.
- Parker, Edward W. ....  
 Production of Gas, Coke, Tar and Ammonia at Gas Works and in Retort Coke Ovens. 1905.
- Parkinson and Woodall.....Distribution by Steel
- Parr and Francis.....  
 Modification of Illinois Coal by Low Temperature Distillation
- Parr, S. W., and H. F. Hadley.....  
 .....The Analysis of Coal with Phenol as a Solvent
- Parr, S. W., and F. W. Kressmann.....  
 .....Spontaneous Combustion of Coal
- Parr, S. W., and H. L. Olin.....  
 .....The Coking of Coal at Low Temperatures
- Parr and Wheeler..Unit Coal and the Composition of Coal Ash
- Parr, S. W., and W. F. Wheeler.....The Weathering of Coal
- Parsell and Weed.....Gas Engine Construction
- Parsons, Charles I. ....Fuller's Earth
- Paterson, James.....Notes on the Lithology of Gas Coals
- Patton, W. M. ....Practical Treatise on Foundations
- Pease and Cripps..Gasholders With and Without Guide Framing
- Peckston, Thomas S. ....  
 A Practical Treatise on Gas Lighting, in which Gas Apparatus Generally in Use is Explained and Illustrated by 22 Appropriate Plates. 3rd Edition. London, 1841.
- Peele, Robert.....Compressed Air Plant for Mines
- Peirce, Clarence A., and Walter B. Carver.....  
 .....Handbook of Tables and Formulas for Engineers
- Pender, Harold....American Handbook for Electrical Engineers
- Peregrinus, Petrus.....Letters of, on a Magnet
- Perkins, E. E. ....Practical Treatise on Gas and Ventilation
- Perry, John.....Applied Mechanics
- Perry, John.....Calculus for Engineers
- Philadelphia Gas Works.....Report 1836-1845
- Pinchot, Gifford (Forester)....The Use of the National Forests
- Pierce, R. H. ....Hygienic Value of Gas Lighting
- Pierce, Clarence A., and Walter B. Carver.....  
 .....Handbook of Tables and Formulas for Engineers
- Platt, Franklin.....  
 Report of Geological Survey, 1875—Coke Manufacture, Coal and Iron Ore Beds.
- Pollard, J. A. and A. G. Heggem.....  
 Drilling Well in Oklahoma by the Mud-Laden Fluid Method
- Poole, Cecil P. ....The Gas Engine
- Poole, Herman.....Calorific Power of Fuels
- Pope, George S. ....  
 Government Coal Purchases under Specifications, with Analyses for the Fiscal Year 1909-1910.

- Pope, George S. ....  
Purchase of Coal by the Government under Specifications,  
with Analyses of Coal Delivered for the Fiscal Year 1908-1909
- Pope, George S. ....  
Sampling Coal Deliveries and Types of Government Specifi-  
cations for the Purchase of Coal.
- Popplewell, W. C. ....  
.....Elementary Treatise on Heat and Heat Engines
- Porter, Rob. P. ....Dangers of Municipal Ownership
- Porter, Horace C., and A. C. Fieldner.....  
Weathering of Pittsburgh Coal Bed at the Experimental Mine  
near Bruceeton, Pa.
- Porter and Ovitz.....  
..Deterioration and Spontaneous Heating of Coal in Storage
- Porter and Ovitz.....Escape of Gas from Coal
- Porter and Ovitz.....The Volatile Matter of Coal
- Potter, Andrey A. ....Farm Motors, Steam and Gas Engines
- Pratt, H. Keay.....A Manual of the High Speed Steam Engine
- Pray, Thomas, Jr. ....Twenty Years with the Indicator
- Price, George M., M. D. ....The Modern Factory  
Progressive Age (Changed to Gas Age)—
- |                             |                      |
|-----------------------------|----------------------|
| February-December, 1883-84. | July-December, 1909. |
| January-December, 1885-86.  | January-June, 1910.  |
| January-April, 1887-88.     | July-December, 1910. |
| April-December, 1906.       | January-June, 1911.  |
| January-June, 1907.         | July-December, 1911. |
| July-December, 1907.        | January-June, 1912.  |
| January-June, 1908.         | July-December, 1912. |
| July-December, 1908.        | January-April, 1913. |
| January-June, 1909.         |                      |
- Public Policy Committee of the American Gas Institute.....  
.....Report of the. October, 1907
- Public Service Commission, First District, State of New York,  
Change in Grade Crossings, Long Island Ry. Co.
- Public Service Commission, First District, State of New York,  
Annual Report for Year Ending December 31, 1907. Vol. I.
- Public Service Commission, First District, State of New York,  
Annual Report for Year Ending December 31, 1907. Vol. II  
—Statistics of Public Service Corporations.
- Public Service Commission, First District, State of New York,  
Annual Report for Year Ending December 31, 1910. Vol. I.
- Public Service Commission, Second District, State of New York,  
First Annual Report for Year 1907. Vol. I.
- Public Service Commission, Second District, State of New York,  
First Annual Report for Year 1907. Vol. II.
- Public Service Commission, State of New York, Second District,  
Second Annual Report for Year 1908. Vol. I.
- Public Service Commission, State of New York, Second District,  
Second Annual Report for Year 1908. Vol. II. (Uniform  
System of Accts.)
- Public Service Commission, State of New York, Second District,  
Second Annual Report for Year 1908. Vol. III.
- Public Service Commission, State of New York, Second District,  
Third Annual Report for Year 1909. Vol. I.
- Public Service Commission, State of New York, Second District,  
Third Annual Report for Year 1909. Vol. II.
- Public Service Commission, State of New York, Second District,  
Fourth Annual Report for Year 1910. Vol. I.
- Public Service Commission, State of New York, Second District,  
Fourth Annual Report for Year 1910. Vol. II.

- Public Service Commission, State of New York, Second District,  
Fourth Annual Report for Year 1910. Vol. III.  
Public Service Commission, State of New York, Second District,  
Fifth Annual Report for Year 1911. Vol. I.  
Public Service Commission, State of New York, Second District,  
Fifth Annual Report for Year 1911. Vol. II.  
Public Utilities, Municipal and Private Operation of—  
Part I. Vol. I.  
Part II. Vol. I.  
Part II. Vol. II.  
Putsch, Albert.....Gas and Coal Dust Firing

## R

- Railroad Commission.....  
.....Town of Antioch vs. P. G. & E. Co.  
Rambousek, Dr. J.....  
Industrial Poisoning from Fumes, Gases, and Poisons of Man-  
ufacturing Processes.  
Randall, D. T.....  
Tests of Coal and Briquettes as Fuel for House Heating  
Boilers.  
Randall, J. A. ....  
.....Heat—A Manual for Technical and Industrial Students  
Randall, D. T., and Henry Kreisinger.....  
North Dakota Lignite as a Fuel for Power Plant Boilers.  
Randall and Weeks.....  
Smokeless Combustion of Coal in Boiler Furnaces, with a  
Chapter on Central Heating Plants.  
Rathbun, J. B.....Gas Engine Troubles and Installation  
Ray, Breckenridge and Kreisinger.....  
.....Steaming-Tests of Coals and Related Investigations  
Ray and Kreisinger.....Flow of Heat Through Furnace Walls  
Ray and Kreisinger.....  
.....Significance of Drafts in Steam Boiler Practice  
Ray and Kreisinger.....  
Tests of Run-of-Mine and Briquetted Coal in a Locomotive  
Boiler.  
Ray and Kreisinger.....Transmission of Heat Into Steam Boilers  
Record, Samuel J.....Mechanical Properties of Wood  
Redwood, Sir Boverton.....  
.....Petroleum and Its Products. (Vol. I & II)  
Redwood, Sir Boverton.....  
A Treatise on Petroleum. Vol. I, Vol. II, Vol. III. Third  
Edition.  
Redwood, Sir Boverton, and Arthur W. Eastlake.....  
.....Petroleum Technologist's Pocketbook  
Reid, Homer A.....  
.....A Concrete and Reinforced Concrete Construction  
Reid, John S.....  
.....Mechanical Drawing and Elementary Machine Design  
Remsen, Frederick.....The Gas Engine  
Remsen, Ira.....Organic Chemistry  
Rice, George S.....Explosibility of Coal Dust  
Rice, George S.....  
Notes on the Preventing of Dust and Gas Explosives in Coal  
Mines.

*Page one hundred and two*

- Rice, Hood and Others.....Oil and Gas Wells Through Workable Coal Beds  
 Richard, William.....A Treatise on Coal Gas. London, 1877  
 Richards, Joseph W.....Metallurgical Calculations (Part I)  
 Richardson, Dr. Thomas and Dr. Edmund Ronalds.....  
     Chemical Technology, Second Edition. Vol. I, Part 2. Fuel  
     and Its Applications.  
 Richey, Albert S.....Electric Railway Handbook  
 Ricker, Clifford N.....  
     A Treatise on the Design and Construction of Roofs  
 Ricker, Clifford N.....  
     Study of Base and Bearing Plates for Columns and Beams  
 Rideal, Samuel.....Journal of the Royal Sanitary Institute  
 Rindsfoos, C. S.....Purchasing  
 Risdon Iron Works.....Catalogue  
 Rix, Edward A.....  
     Some Economics in High Pressure Gas Transmission  
 Rix, Edward A.....  
     The Compression and Transmission of Illuminating Gas  
 Roberts, E. W.....The Gas-Engine Handbook  
 Roberts, John and Walter Sheldon Tower.....  
     The Motive Power of the Future; Petroleum.  
 Robertson and Allen.....  
     Methods of Determining the Sulphur Content of Fuels, Espe-  
     cially Petroleum Products.  
 Robb, J. M.....Instruction for Gas Distribution Employes  
 Robinson, Burrell and Seibert.....  
     Relative Effects of Carbon Monoxide on Small Animals  
 Rodenhauser (Dipl. Ing. W.), and I. Schoenawa.....  
     Electric Furnaces in the Iron and Steel Industry  
 Roesler and Askling.....  
     Internal Combustion Engine and Gas Producers  
 Rogers, Allen and Alfred B. Aubert.....  
     Industrial Chemistry for the Student and Manufacturer  
 Rogers, William.. Pumps and Hydraulics. Part I and Part II  
 Ronalds, Dr. Edmund, and Dr. Thomas Richardson.....  
     Chemical Technology, Second Edition. Vol. 1. Part 2.  
     Fuel and Its Applications.  
 Roscoe and Schorlemmer.....  
     A Treatise on Chemistry. Vol. I—The Non-Metallic Ele-  
     ments. Vol. II—The Metals.  
 Rosemberg, P., and R. Granjon.....  
     A Practical Manual of Autogenous Welding  
 Rosenthal, L. W.....Transmission Calculations  
 Ross, Owen C. D.....Air as Fuel  
 Royds, R.....Testing of Motive Power Engines  
 Royle, H. M.....The Chemistry of Gas Manufacture

**S**

- San Francisco Gas Company.....First Minute Book  
 San Francisco Municipal Reports. 1904-1905. Board of Super-  
     visors.  
 San Francisco Municipal Reports. 1910-1911. Board of Super-  
     visors.  
 San Francisco Report Municipal Lighting Rates. 1898-1907.



- Board of Supervisors.
- Sadtler, S. S. .... Chemistry of Familiar Things
- Saliers, Earl A. .... Principles of Depreciation
- Schaars, G. F. .... Kalender fur das Gas und Wasserfach. 1908
- Schoenawa, I., and Dipl. Ing. W. Rodenhauser. ....
- ..... Electric Furnaces in the Iron and Steel Industry
- Schorlemmer and Roscoe. ....
- A Treatise on Chemistry. Vol. I—The Non-Metallic Elements. Vol. II—The Metals.
- Scott, Jesse F. .... Estimates and Valuations
- Searle, Alfred B. .... Modern Brickmaking
- Seibert and Burrell. ....
- ..... Apparatus for the Exact Analysis of Flue Gas
- Seibert and Burrell. ....
- ..... Apparatus for Gas-Analysis Laboratories at Coal Mines
- Seibert and Burrell. ....
- ..... Gas Analysis as an Aid in Fighting Mine Fires
- Seibert, Frank M., and Geo. A. Burrell. ....
- ..... Gases Found in Coal Mines
- Seibert, Frank M., and George A. Burrell. ....
- Sampling and Examination of Mine Gases and Natural Gas
- Seibert, Burrell and Robinson. ....
- ..... Relative Effects of Carbon Monoxide on Small Animals
- Sewell, Gilbert, Humphrey and Soule. ....
- ..... San Francisco Earthquake and Fire of April 18, 1906
- Sexton, A. Humboldt. .... Fuel and Refractory Materials
- Sexton, A. Humboldt. .... Producer Gas
- Shickle, Harrison & Howard Iron Co. ....
- ..... Illustrated Map Fittings, etc.
- Silliman, Benjamin, and Henry Wurtz. ....
- Hydrocarbon, Gas Process, Under the Gwynne-Harris Patents
- Simmanee, John F. ....
- ..... Calorimetry of Producer and Illuminating Gases
- Sloane, T. O'Connor. .... Liquid Air and the Liquefaction of Gases
- Sloss & Co., Louis. .... Public Utilities Act of California
- Smallwood, Julian C. .... Mechanical Laboratory Methods
- Smith, Alexander. .... General Inorganic Chemistry
- Smith, Alfred C. .... Suction Gas Plants
- Smith, Carl D. .... Slagging Type of Gas Producer
- Smith, Oberlin. .... Press Working of Metals
- Smith and Fernald. .... Producer Gas Investigations
- Smith, Otis (Director U. S. Geological Survey). ....
- ..... Gold, Silver, Lead, Copper, Zinc. 1910
- Snell, John F. C. .... Power House Design
- Snelling, Walter O., and C. G. Storm. ....
- ..... Behavior of Nitro-glycerine When Heated
- Snodgrass, J. M. .... Fuel Tests with House-Heating Boilers
- Snodgrass, J. M. ....
- Tests of Two Types of Tile-Roof Furnaces Under a Water-Tube Boiler.
- Snow, William G. .... Ventilation in Its Relation to Health
- Solomon, Henry G. .... Electricity Meters
- Soule, Gilbert, Humphrey, and Sewell. ....
- ..... San Francisco Earthquake and Fire of April 18, 1906
- Southern Gas Association—
- Proceedings, 1909, First Annual Meeting.
- Proceedings, 1912, Fourth Annual Meeting.
- Southwestern Electrical and Gas Association—
- Seventh Annual Convention, 1911.
- Sixth Annual Convention, 1910, and Question Box.
- Spice, R. P. .... A Treatise on the Purification of Coal Gas

- Standard Oil Company.....Scientific Road Construction  
Staniforth, H.....Electric Power for Gas Works  
Stansfield, Alfred.....  
    The Electric Furnace, Its Construction, Operation and Uses  
Stanton, Frederic M., and Arno C. Fielder.....  
    .....Methods of Analyzing Coal and Coke  
Start, E. A., G. E. Stone and H. I. Fernald.....  
    Shade Trees—Massachusetts Agricultural Experiment Station  
State Board of Health.....  
    Hearings on Lunacy and Charity with Regard to Carbonic  
    Oxide in Illuminating Gas.  
State Board of Health—  
    Report. Nov., 1913, Dec., 1913, Jan., 1914.  
State Mining Bureau.....  
    Mineral Production. County Maps and Mining Laws of Cali-  
    fornia.  
Steinmetz, Charles Proteus.....  
    .....General Lectures on Electrical Engineering  
Steinmetz, C. P.....Light, Radiation and Illumination  
Stevens and Hobart.....Steam Turbine Engineering  
Stephenson, Edward B...Magnetic Properties of Heusler Alloys  
Stevenson, Fletcher W.....  
    .....Modern Appliances in Gas Manufacture  
Stewart, Alfred W.....Chemistry and Its Borderland  
Stillman, Thomas B.....  
    Engineering Chemistry. 2nd edition, 1900. 3rd edition, 1905  
Stillman, Thomas B.....Examination of Lubricating Oils  
Stone, C. H.....Practical Testing of Gas and Gas Meters  
Stone, Start and Fernald.....  
    Shade Trees—Massachusetts Agricultural Experiment Station  
Stone, R. M., and Lauson Strong.....  
    Comparative Fuel Values of Gasoline and Denatured Alcohol  
    in Internal Combustion Engines.  
Stone and Webster Engineering Corporation.....  
    .....Construction Engineers, Steam Power Stations  
Storm, C. G., and Walter O. Snelling.....  
    .....Behavior of Nitro-glycerine When Heated  
Stratton, S. W.....  
    Measurements for the Household. Circular of the Bureau of  
    Standards. No. 55.  
Stratton, S. W:.....  
    Bureau of Standards, Circular No. 32, State and Municipal  
    Regulations for the Quality, Distribution and Testing of  
    Illuminating Gas.  
Straud, B. K., and Paul M. Paine.....Oil Production Methods  
Strauss, Frederick.....  
    Some Mistaken Popular Notions Concerning Public Service  
    Corporations.  
Strauss, Frederick.....The Relation Between Capital and Rates  
Streeter, Robert I.....Internal Combustion Engines  
Strecker, Alex. H.....  
    Review of the Report of Dr. S. Rideal on Hygienic Value of  
    Gas and Electric Lighting.  
Strickland, Gill and Campbell.....  
    .....Public Works in the United States of America  
Strohm, Rufus T.....Oil Fuel for Steam Boilers  
Strong, Robt. M.....  
    Commercial Deductions from Comparisons of Gasoline and  
    Alcohol Tests on Internal Combustion Engines.

|  |  |
|--|--|
| Strong, R. M., and Lauson Stone.....   |  |
| Comparative Fuel Values of Gasoline and Denatured Alcohol<br>in Internal Combustion Engines. |  |
| Sturtevant Co., B. F.....  | Mechanical Draft                         |
| Sugg's.....  | Photometers and Gas Testing Apparatus    |
| Suplee, H. H.....  | The Gas Turbine                          |
| Suplee, Henry Harrison...  | Mechanical Engineer's Reference Book     |
| Supreme Court of the State of California.....  |  |
| .....Union Investment Co. vs. S. F. Gas & Electric Co.                                       |  |
| Sur, F. J. S.....  | Oil Prospecting, Drilling and Extraction |

## T

|  |  |
|--|--|
| Talbot, Arthur N.....  |  |
| .....Tests of Cast-Iron and Reinforced Concrete Culvert Pipe                         |  |
| Talbot, Arthur N.....  |  |
| .....Tests of Concrete and Reinforced Concrete Columns                               |  |
| Talbot, Arthur N.....  |  |
| Tests of Reinforced Concrete Beams, Resistance to Web<br>Stresses. Series 1907-1908. |  |
| Talbot, Arthur N.....  |  |
| .....Test of Three Large Reinforced Concrete Beams                                   |  |
| Talbot, Arthur N.....  | Tests of Timber Beams                  |
| Talbot, Frederick A.....   | The Oil Conquest of the World          |
| Talbot, A. E., and Duff A. Abrams.....   |  |
| .....Tests of Brick Columns and Terra Cotta Block Columns                            |  |
| Talbot, A. N., and Melvin Enger.....   |  |
| .....Resistance to Flow Through Locomotive Water Columns                             |  |
| Talbot, A. N., and Herbert F. Moore.....   |  |
| .....Investigation of Build-Up Columns Under Load                                    |  |
| Talbot, A. N., and H. F. Moore.....  |  |
| .....Tests of Nickel-Steel Riveted Joints  |  |
| Taylor, Frederick Winslow.....   |  |
| .....The Principles of Scientific Management   |  |
| Taylor, Frederick W., and S. E. Thompson.....  | Concrete Costs                         |
| Taylor, Frederick W., and S. E. Thompson.....  |  |
| .....Concrete, Plain and Reinforced  |  |
| Tenney, Edward H.....  | Test Methods for Steam Power Plants    |
| Thomas, Carl C.....  | The Measurement of Gases               |
| Thomas, Carl C.....  |  |
| .....Some Recent Developments in Gas Measuring Apparatus                             |  |
| Thompson, Clarence B.....  | Scientific Management. Vol. I          |
| Thompson, M. de Kay.....   | Applied Electrochemistry               |
| Thompson, Nelson S.....  |  |
| .....Mechanical Equipment of Federal Buildings                                       |  |
| Thompson, Silvanus P.....  | The Manufacture of Light               |
| Thompson, J. W., and S. E. Taylor.....   | Concrete Costs                         |
| Thorne, L. T.....  | Some Industrial Applications of Oxygen |
| Thornton, W. W.....  | The Law Relating to Oil and Gas        |
| Thorp, Frank Hall.....   | Outlines of Industrial Chemistry       |
| Thorp and Groves.....  | Chemical Technology                    |
| Vol. I. Fuels.   |  |
| Vol. II. Lighting.   |  |
| Vol. III. Gas Lighting.  |  |
| Vol. IV. Electric Lighting, Photometry.  |  |

- Thorpe, Sir Edward.....Dictionary of Applied Chemistry  
 Vol. I. A—Che.  
 Vol. II. Chi—Gon.  
 Vol. III. Gr.—Oils.  
 Vol. IV. Oilstone to Soda Nitre.  
 Vol. V. Sodium—Z.
- Thurston, R. H. ....  
 Handbook of Engine and Boiler Trials and of the Indicator  
 and Prony Brake.
- Thurston, Robt. H. ....  
 A Manual of Steam Boilers. Their Design, Construction and  
 Operation.
- Thurston, Robt. H. ....  
 A Manual of the Steam Engine. Part 1—Structure and The-  
 ory. Part 2—Design, Construction and Operation.
- Thurston, R. H. ....  
 .....Tables from Thurston's Steam Engine Manual
- Thurston, Robt. H. ....Stationary Steam Engines
- Thurston, Robt. H. ....  
 A Treatise on Brasses, Bronzes and Other Alloys. Part III—  
 Materials of Engineering.
- Thurston, Robt. H. ....  
 A Treatise on Friction and Lost Work in Machinery and  
 Mill Work.
- Thurston, Robt. H. ....  
 A Treatise on Iron and Steel. Part II—Materials of Engi-  
 neering.
- Thurston, R. H. ....  
 A Treatise on Non-Metallic Materials of Engineering. Part I
- Thwaite, B. H. ....Gaseous Fuel
- Tillson, Geo. W. ....Street Pavements and Paving Materials
- Tinkler, C. K., and F. Challenger.....  
 Chemistry of Petroleum and Its Substitutes. (A Practical  
 Handbook.)
- Toch, Maximilian....Chemistry and Technology of Mixed Paints
- Toch, Maximilian.....The Composition of Paints and Pigments
- Toch, Maximilian.....Permanent Protection of Iron and Steel
- Toerring, C. J. Co.....Talk on Arc Lamps
- Tonge, James.....Coal
- Tookey, W. A. ....Gas Producers for Power Purposes
- Tower, Walter Sheldon and John Roberts.....  
 .....The Motive Power of the Future; Petroleum
- Trautwine, John C. ....Civil Engineers' Pocketbook. 1906
- Travers, Morris W. ....Study of Gases
- Trotter, Alexander Pelham.....  
 .....Illumination, Its Distribution and Measurement
- Trustees' Educational Fund—Catechism of Central Station Gas  
 Engineering in United States.
- Twyford, H. B. ....  
 ....Purchasing (Its Economic Aspects and Proper Methods)
- Tyrrell, Henry Grattan.Design and Construction of Mill Buildings

## U

- Ulbricht and Hirshfield.....Gas Power
- United Gas & Coke Company.....  
 .....The United-Otto System of By-Product Coke Ovens

- United Gas Improvement Company.....  
 .....Specifications for House Piping  
 United Gas Improvement Company.....Thoughts for Workers  
 Unwin, W. Cawthorne.....  
 Elements of Machine Design. Part I. General Principles,  
 Fastenings and Transmissive Machinery. Part II. Chiefly  
 of Engine Details.

## V

- Van Deventer, John H.....  
 .....Handbook of Machine Shop Management  
 Van Eijndhoven, A. J.....Photometrical Standards  
 Van Nostrand's Chemical Annual. 1913. Third Issue. Edited  
 by John C. Olsen.  
 Vincent, Camille.....Ammonia and Its Compounds  
 Von Schon, H. A. E. C.....Hydro-Electric Practice  
 Von Wagner, Rudolf.....  
 Manual of Chemical Technology. Translated and Edited by  
 Sir William Crookes and Dr. Ferdinand Fisher.  
 Vulcan Process Company.....  
 Instructions on Welding and Cutting of Metals, Oxyacetylene  
 Process.

## W

- Wagner, Frederick H.....  
 .....The Cleaning of Blast Furnace Gases  
 Wagner, Frederick H.....Coal Tar Residuals  
 Wagner's Manual of Chemical Technology (Rudolf von). Trans-  
 lated and Edited by Crookes and Fisher.  
 Waidner, C. W., and E. F. Mueller.....  
 .....Industrial Gas Calorimetry  
 Wallis-Taylor, A. J., and James G. Wells....The Diesel Engine  
 Wanklyn, J. Alfred.....Water Analysis  
 Warnes, Arthur R.....  
 .....Coal Tar Distillation and Working Up of Tar Products  
 Watson, W.....A Textbook of Physics  
 Watson, F. R.....Acoustics of Auditoriums  
 Way, Belden, Delamater and Groves.....  
 .....Washing and Coking Tests of Coal  
 Webber, W. H. Y.....Gas Supply  
 Webber, W. H. Y.....Town Gas and Its Uses  
 Webber, W. H. Y.....  
 .....Some Notes on Modern Gas-Main Laying  
 Weed and Parsell.....Gas Engine Construction  
 Weeks, Jos. D.....Report on the Manufacture of Coke  
 Weeks and Randall.....  
 Smokeless Combustion of Coal in Boiler Furnaces, with a  
 Chapter on Central Heating Plants.  
 Wells, James G., and A. J. Wallis-Taylor....The Diesel Engine



- Welsbach Street Lighting Company.....Photographs of Gas Arc Lighting
- West, Thos. D.....American Foundry Practice
- West, Thomas D.....The Efficient Man
- Westcott, Henry P.....
- Handbook of Natural Gas, Published by Metric Metal Works.
- Westcott, Henry P.....
- .....Measurement of Gases Where Density Changes
- Western Gas Association—
- Proceedings, 1887-1891. Proceedings, 1899-1902.
- Proceedings, 1892-1895. Proceedings, 1903-1905.
- Proceedings, 1896-1898. Proceedings, 1906.
- Westfield Gas & Electric Light Works—14th Annual Report, 1913.
- Westermaier, F. Victor.....Gas Street Lighting
- Weymouth, C. R.....
- Fuel Economy Tests at a Large Oil-Burning Electric Power Plant Having Steam Engine Prime Movers.
- Weymouth, C. R.....
- Unnecessary Losses in Firing Fuel Oil and an Automatic System for Eliminating Them.
- Wheeler, W. F. and S. W. Parr.....
- .....The Weathering of Coal. Series 1909
- Wheeler and Parr..Unit Coal and the Composition of Coal Ash
- Whitaker, M. G....Incandescent Gas Lighting. (Welsbach Co.)
- White, Alfred H.....Technical Gas and Fuel Analysis
- White, A. H., and Perry Barker.....
- .....Coals Available for the Manufacture of Illuminating Gas
- White, Chas. H.....Methods in Metallurgical Analysis
- Whitman, Roger N.....Gas Engine Principles
- Whitten, Robert H.....
- Valuation of Public Service Corporations. Legal and Economic Phases of Valuation for Rate Making and Public Purchase.
- Whittemore, Herbert L.....
- .....The Strength of Oxyacetylene Welds in Steel
- Wickenden, W. E.....Illumination and Photometry
- Wiechmann, F. G.....Notes on Electrochemistry
- Wiley, C. C.....Mortar Making Qualities of Illinois Sands
- Will, John Shiress Michael.....Law Relating to Gas and Water
- Wilson and Calvert.....
- .....Trade Waste Waters, Their Nature and Disposal
- Wilson, W. M., and G. A. Maney.....
- .....Wind Stresses in the Steel Frames of Office Buildings
- Wimperis, H. E.....The Internal Combustion Engine
- Winkler & Lunge.....Technical Gas Analysis
- Wisconsin Railroad Commission—Reports. Vol. I. July, 1905, July, 1907.
- Wood, M. P.....Rustless Coatings
- Woodall and Parkinson.....Distribution by Steel
- Woodbridge, Dwight E.....
- Sanitation at Mining Villages in the Birmingham District, Alabama.
- Worden, Edward Chauncey.....
- .....Nitrocellulose Industry. (Vols. I and II.)
- Wright, J.....
- .....Electric Furnaces and Their Industrial Applications
- Wright, Charles L.....
- Briquetting Tests of Lignite with a Chapter on Sulphite-Pitch Binder.

- Wright, Charles L.....  
     Briquetting Tests at the United States Fuel-Testing Plant,  
     Norfolk, Va. 1907-8.
- Wright, C. L.....  
     ....Fuel-Briquetting Investigations, July, 1904, to July, 1912
- Wright, William.....The Oil Regions of Pennsylvania
- Wurtz and Silliman.....  
     Gas Process, Hydrocarbon, Under the Gwynne-Harris Patents
- Wyer, Samuel S.....Catechism on Producer Gas
- Wyer, Samuel S.....Producer Gas and Gas Producers
- Wyer, Samuel S.....  
     ...Regulation, Valuation and Depreciation of Public Utilities
- Wyer, Samuel S. and Lionel S. Marks.....  
     .....Gas and Oil Engines and Gas Producers  
         Part I. Gas and Oil Engines.  
         Part II. Gas Producers.

## Y

- Youmans, Edward L.....Atlas of Chemistry

## Z

- Zeuner, Dr. Gustar.....  
     Technical Thermodynamics. Vol. I.—Fundamental Laws of  
     Thermodynamics. Theory of Gases. Technical Thermody-  
     namics. Vol. II.—The Theory of Vapors.

UNIVERSITY OF CALIFORNIA LIBRARY  
Los Angeles

This book is DUE on the last date stamped below.

Form L9-25m-9,'47 (A5618)444

UC SOUTHERN REGIONAL LIBRARY FACILITY



A 000 249 942 4

Z  
7914  
G2P11  
Engineering  
Library

